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 033000-003B
Review Cycle 1

Title	**Concrete Test Reports - Concrete Foundation**		
Type	**Test Results**		
Sent Date	**01-Jul-2016**	Spec Section	**033000**
Due Date	**15-Jul-2016**	Spec Sub-Section	

Sent To For Review
Ryan Senatore
Ryan Senatore Architecture

Responsible Subcontractor / Vendor
Dale Daggett
Giles, N.S. Foundations Inc.

Item Being Submitted
Concrete Test Reports - Concrete Foundation

Concrete 28-Day Test Reports

Contractor's Review Stamp	Architect's Review Stamp
I hereby certify that I have examined the enclosed submittal(s) and have determined and verified all field measurements, construction criteria, materials, catalog numbers, and similar data, coordinated the submittal(s) with other submissions and the work of other trades and contractors and, to the best of my knowledge and belief, the enclosed submittal(s) is/are in full compliance with the Contract requirements, except as noted above.	
Signature: Cameron Mullen — Date: 7/1/2016	
Name: Cameron Mullen, PC Construction Company	

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

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

SHOP DRAWINGS REVIEWED

- ☒ Approved, No Corrections Needed
- ☐ Approved As Noted
- ☐ Revise and Resubmit
- ☐ Rejected

Reviewed By: MKL Date: 7/7/16
Received at SI, Inc: 7/1/16
SI, Inc. Job #: 15-0038
* received for record

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

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

LETTER OF TRANSMITTAL

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

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Grout Prism Test Results.

Prism No. (s)	Age (Days)
82103	28
82104	28
82105	28
82106	28
82109	28
82110	28
82111	28
82112	28

Remarks:

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

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

R.W. GILLESPIE & ASSOCIATES

GROUT TEST/PLACEMENT REPORT

ASTM C 1019

Project Name:	667 Congress St. Apartments Project	**Date Cubes Cast:**	Monday, February 01, 2016
Project No:	1565-001	**Grout Supplier:**	Mixed on Site
Client:	Cordjia Capital Projects Group	**General Contractor:**	PC Construction
Weather Conditions:	Sun/Could	**Design Strength:**	4000 PSI

Placement Location:

Micropiles 1-16

Grout Sample Location:

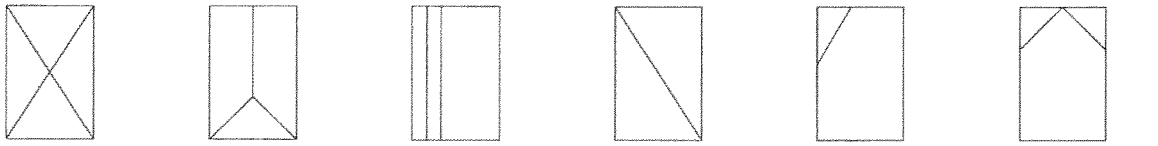
Micropile 3

Date Report Issued:

Number of 2x2x2 Grout Cubes	6	Cast By:	Mary E. Sanders
Load Number:	- of -	Slump: ASTM C 143	- in.
Ticket Number:	-	Air Temperature:	58 °F
Truck Number:	-	Grout Temperature:	60 °F
Cubic Yards:	-	Air Content: ASTM C 231	- %

Field Cure Days: 1

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82101	2/8/2016	2.021x2.007	4.06	7	20030	4940	3
82102	2/8/2016	2.026x2.005	4.06	7	18790	4630	3
82103	2/29/2016	2.035x2.009	4.09	28	27975	6840	3
82104	2/29/2016	2.033x2.006	4.08	28	26860	6590	3
82105	2/29/2016	2.025x2.008	4.07	28	23110	5680	3
82106	2/29/2016	2.010x2.025	4.07	28	34010	8360	3



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

GROUT TEST/PLACEMENT REPORT

ASTM C 1019

Project Name:	667 Congress St. Apartments Project	**Date Cubes Cast:**	Monday, February 01, 2016
Project No:	1565-001	**Grout Supplier:**	Mixed on Site
Client:	Cordjia Capital Projects Group	**General Contractor:**	PC Construction
Weather Conditions:	Sun/Could	**Design Strength:**	4000 PSI

Placement Location:

Micropiles 1-16

Grout Sample Location:

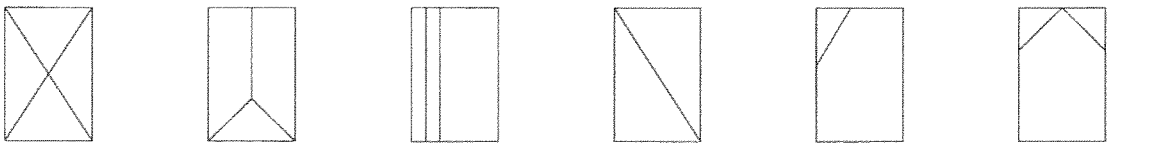
Micropile 12

Date Report Issued:

Number of 2x2x2 Grout Cubes	6	Cast By:	Mary E. Sanders
Load Number:	- of -	Slump: ASTM C 143	- in.
Ticket Number:	-	Air Temperature:	58 °F
Truck Number:	-	Grout Temperature:	58 °F
Cubic Yards:	-	Air Content: ASTM C 231	- %

Field Cure Days: 1

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82107	2/8/2016	2.032x2.007	4.08	7	19760	4850	3
82108	2/8/2016	2.029x2.008	4.07	7	18825	4620	3
82109	2/29/2016	2.008x2.025	4.07	28	30965	7620	3
82110	2/29/2016	2.006x2.030	4.07	28	31600	7760	3
82111	2/29/2016	2.022x2.030	4.11	28	36630	8920	3
82112	2/29/2016	2.018x2.039	4.12	28	28300	6880	3



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

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

LETTER OF TRANSMITTAL

Date:	Project No.:
April 5, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82213	28
82214	28

Remarks:

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

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

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

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Friday, March 04, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3000 psi
Weather Conditions:	Overcast w/ snow	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	Masterair AE200, Master Glenimum

Placement Location:

Footings T/2 to T/7.6 to R-S/7.6 & Tower Crane Columns N/3.5,P/3.5,N/5.3,P/5.3

Test Cylinder Location:

T/6

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	1 of 2	Number of 4x8 Cylinders:		5
Ticket Number:	260076	Cast By:		Mary E. Sanders
Truck Number:	144	Slump:	ASTM C 143	5.50 in.
Cubic Yards:	9.25	Air Temperature:		27 °F
Total Yardage:	18.5	Concrete Temperature:		65 °F
Total Time (minutes):	75	Air Content:	ASTM C 231	6.6 %

Specimen Storage ASTM C 31

Field Cure Days: 3

Date Received: 3/7/2016

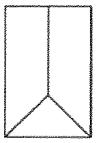
Condition of Cylinders: Good

Curing Temperatures: 63 °F to 79 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82211	3/11/2016	4.01	12.65	7	32550	2570	5
82212	3/18/2016	4.01	12.64	14	38580	3050	5
82213	4/1/2016	4.02	12.70	28	43265	3410	5
82214	4/1/2016	4.02	12.70	28	40785	3210	6
82215	HOLD			H			

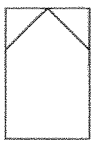

Cone
1


Cone & Split
2


Columnar
3


Shear
4


Side Fracture
5


Double Side Fracture
6

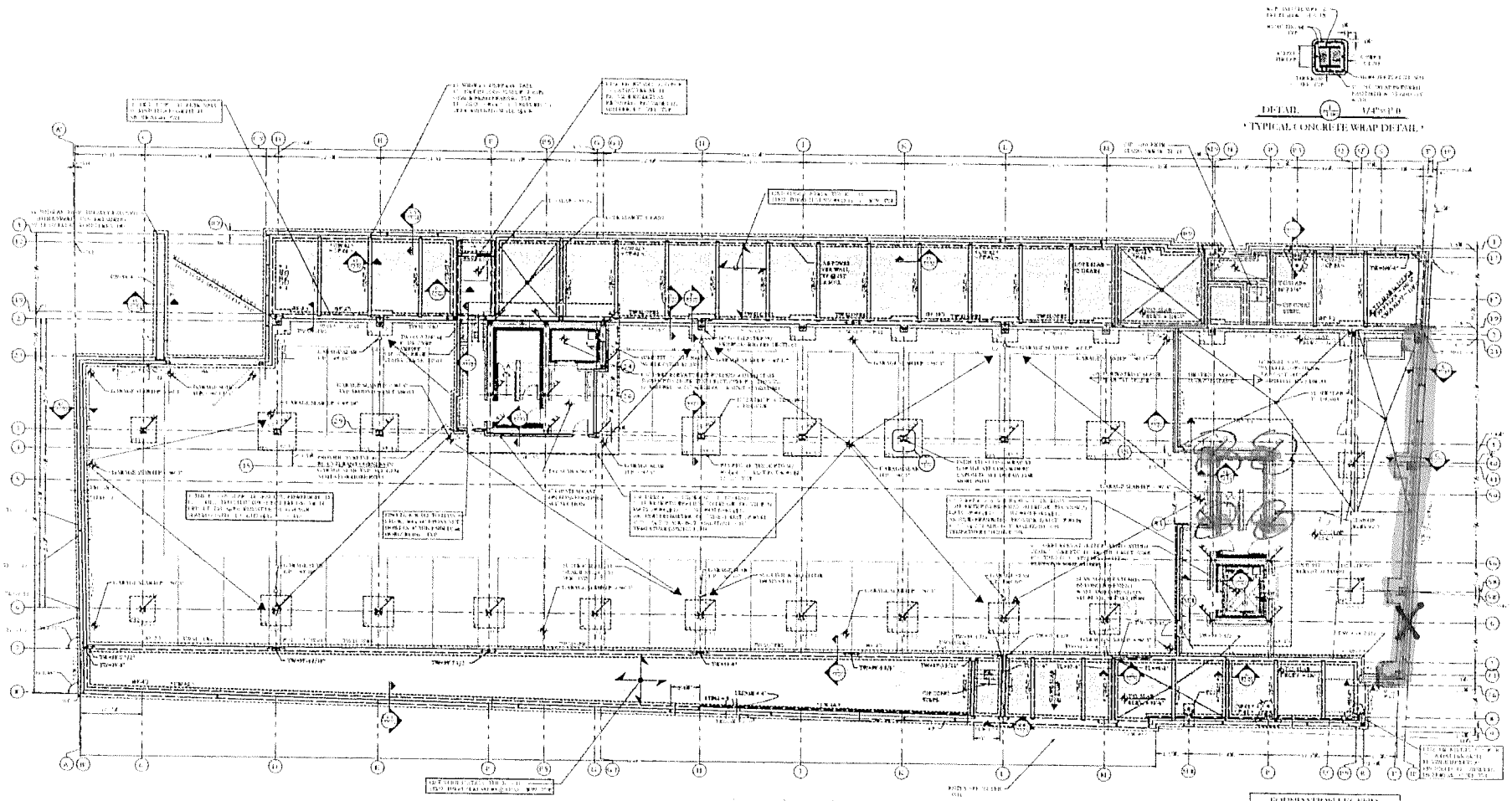
Remarks:

Checked by: Matthew T. Grady, Manager of MTS

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

PLACEMENT AREA

X TEST CYL LOCATION



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

FOUNDATION PLAN

PILE CAP AND GRADE BEAM SCHEDULE

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

CONCRETE WALL SCHEDULE

MARK	PLAN	WALL FOUNDATION FING

FOUNDATION LEGEND

Project: 667 Congress Street
Project No.: 1565-001
Date: 03-04-2016
Technologist: MARY SANDERS.

667 CONGRESS STREET
APARTMENTS
PORTLAND MAINE

RSA
RYAN SENATORE ARCHITECTURE

REVISIONS

DATE: 2 NOVEMBER 2015
PROJECT #: 1565
DRAWN BY: MKS
CHECKED BY: ACS
SCALE: AS NOTED

SHEET TITLE
FOUNDATION PLAN

S1.00

Structural Integrity

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

LETTER OF TRANSMITTAL

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

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82236	28
82237	28
82241	28
82242	28

Remarks:

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

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

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

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Wednesday, March 09, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3000 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MasterAir AE200, MasterSet R100, Master Glenium

Placement Location:
Tower Crane Footing N-P/3.5-6

Test Cylinder Location:
N-P/5.0

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

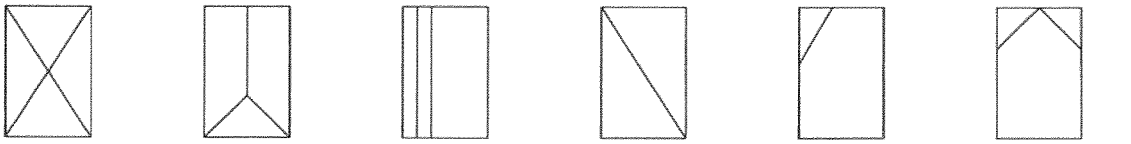
Date Report Issued:

Load Number:	3 of 10	Number of 4x8 Cylinders:		5
Ticket Number:	293191	Cast By:		Mary E. Sanders
Truck Number:	119	Slump:	ASTM C 143	6.50 in.
Cubic Yards:	10	Air Temperature:		67 °F
Total Yardage:	100	Concrete Temperature:		70 °F
Total Time (minutes):	49	Air Content:	ASTM C 231	4.8 %

Specimen Storage ASTM C 31
Field Cure Days: 1
Date Received: 3/10/2016
Condition of Cylinders: Good
Curing Temperatures: 57 °F to 84 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82234	3/16/2016	4.00	12.57	7	46615	3710	3
82235	3/23/2016	4.01	12.64	14	63595	5030	3
82236	4/6/2016	4.03	12.73	28	76625	6020	5
82237	4/6/2016	4.03	12.73	28	76850	6040	4
82238	HOLD			H			



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

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

Project Name: 667 Congress St. Apartments Project
Project No: 1565-001
Client: Cordjia Capital Projects Group
Weather Conditions: Sunny
Placement Method: Crane & Bucket

Date Cylinders Cast: Wednesday, March 09, 2016
Concrete Supplier: Auburn Concrete
Design Strength: 3000 psi
Max. Aggregate Size: 3/4 inch
Admixtures: MasterAir AE200, MasterSet R100, Master Glenium

Placement Location:
Tower Crane Footing N-P/3.5-6

Test Cylinder Location:
N-P/5.8-6

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

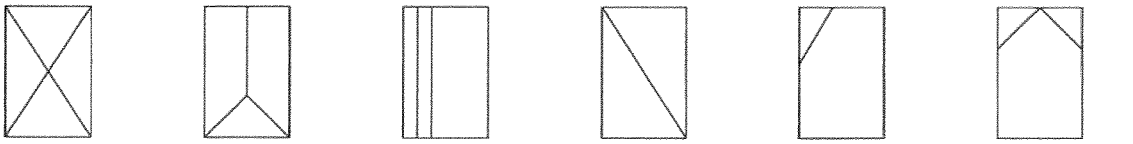
Date Report Issued:

Load Number:	7 of 10	Number of 4x8 Cylinders:		5
Ticket Number:	293195	Cast By:		Mary E. Sanders
Truck Number:	144	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	10	Air Temperature:		60 °F
Total Yardage:	100	Concrete Temperature:		70 °F
Total Time (minutes):	88	Air Content:	ASTM C 231	5.4 %

Specimen Storage ASTM C 31
Field Cure Days: 1
Date Received: 3/10/2016
Condition of Cylinders: Good
Curing Temperatures: 58 °F to 86 °F

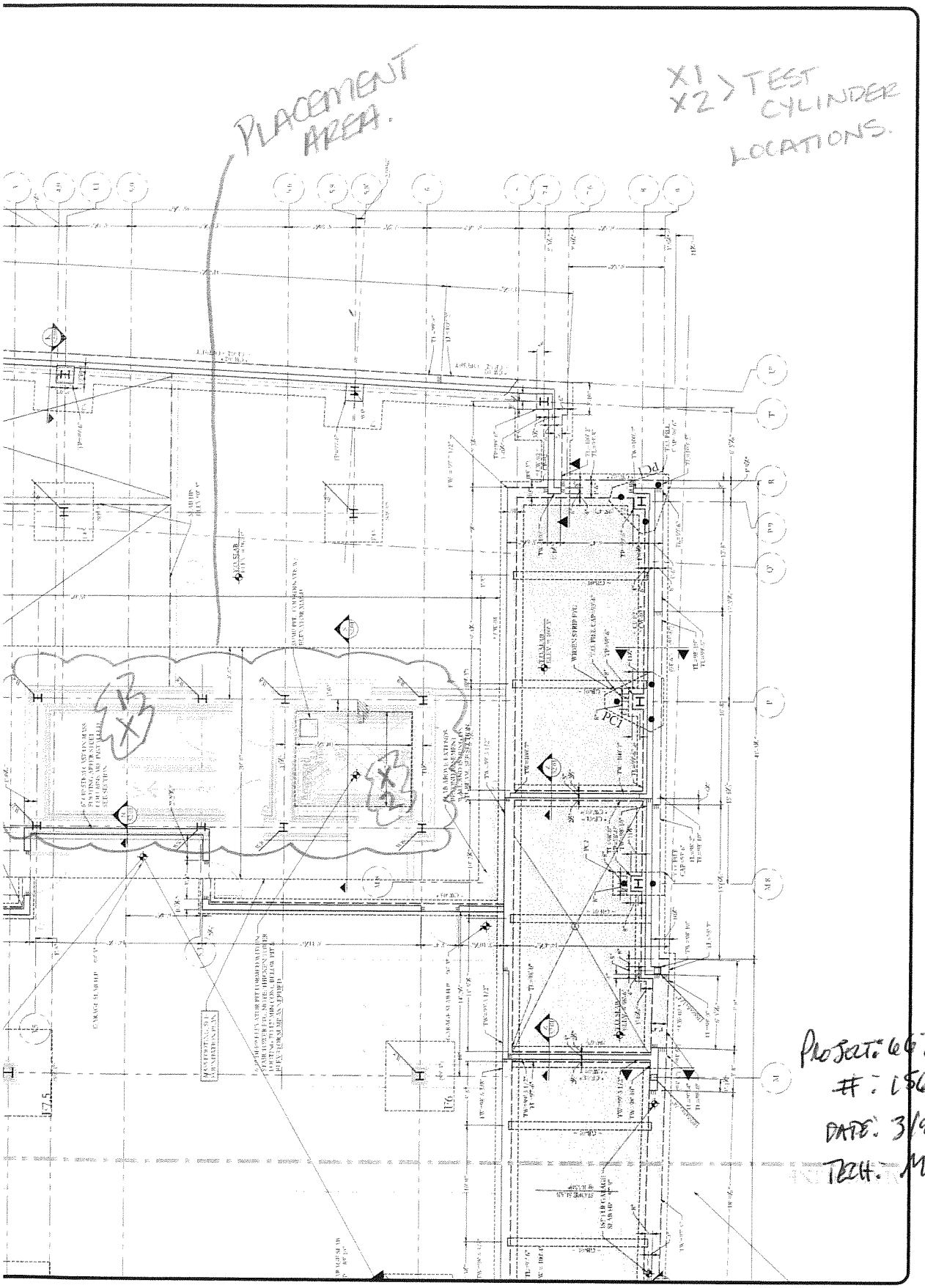
ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82239	3/16/2016	4.00	12.57	7	44740	3560	3
82240	3/23/2016	4.01	12.64	14	65100	5150	2
82241	4/6/2016	4.03	12.73	28	76035	5970	4
82242	4/6/2016	4.03	12.73	28	75650	5940	5
82243	HOLD			H			



Remarks:

Checked by: Matthew T. Grady, Manager of MTS


PLACEMENT AREA.
X1
X2 > TEST CYLINDER LOCATIONS.
PROJECT: 667 ONCLOSS ST
#: 1565-001
DATE: 3/9/16
TECH: MES

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

LETTER OF TRANSMITTAL

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

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82246	28
82247	28

Remarks:

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

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

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

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, March 10, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3000 psi
Weather Conditions:	Overcast	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MasterAir AE200, Master Glenium

Placement Location:
Foundation Footings T/2.1-3 to T/2 to R/2

Test Cylinder Location:
T/2.1

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

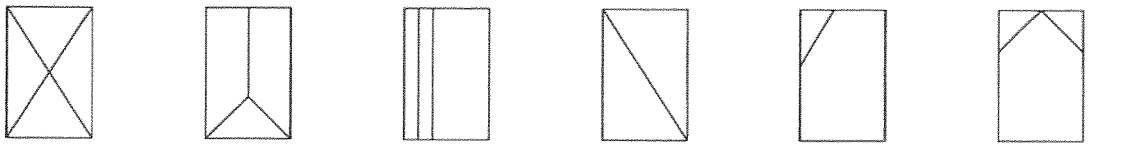
Date Report Issued:

Load Number:	1 of 1	Number of 4x8 Cylinders:		5
Ticket Number:	293214	Cast By:		Mary E. Sanders
Truck Number:	116	Slump:	ASTM C 143	5.00 in.
Cubic Yards:	5	Air Temperature:		60 °F
Total Yardage:	5	Concrete Temperature:		73 °F
Total Time (minutes):	60	Air Content:	ASTM C 231	6.0 %

Specimen Storage ASTM C 31
Field Cure Days: 1
Date Received: 3/11/2016
Condition of Cylinders: Good
Curing Temperatures: 75 °F to 91 °F

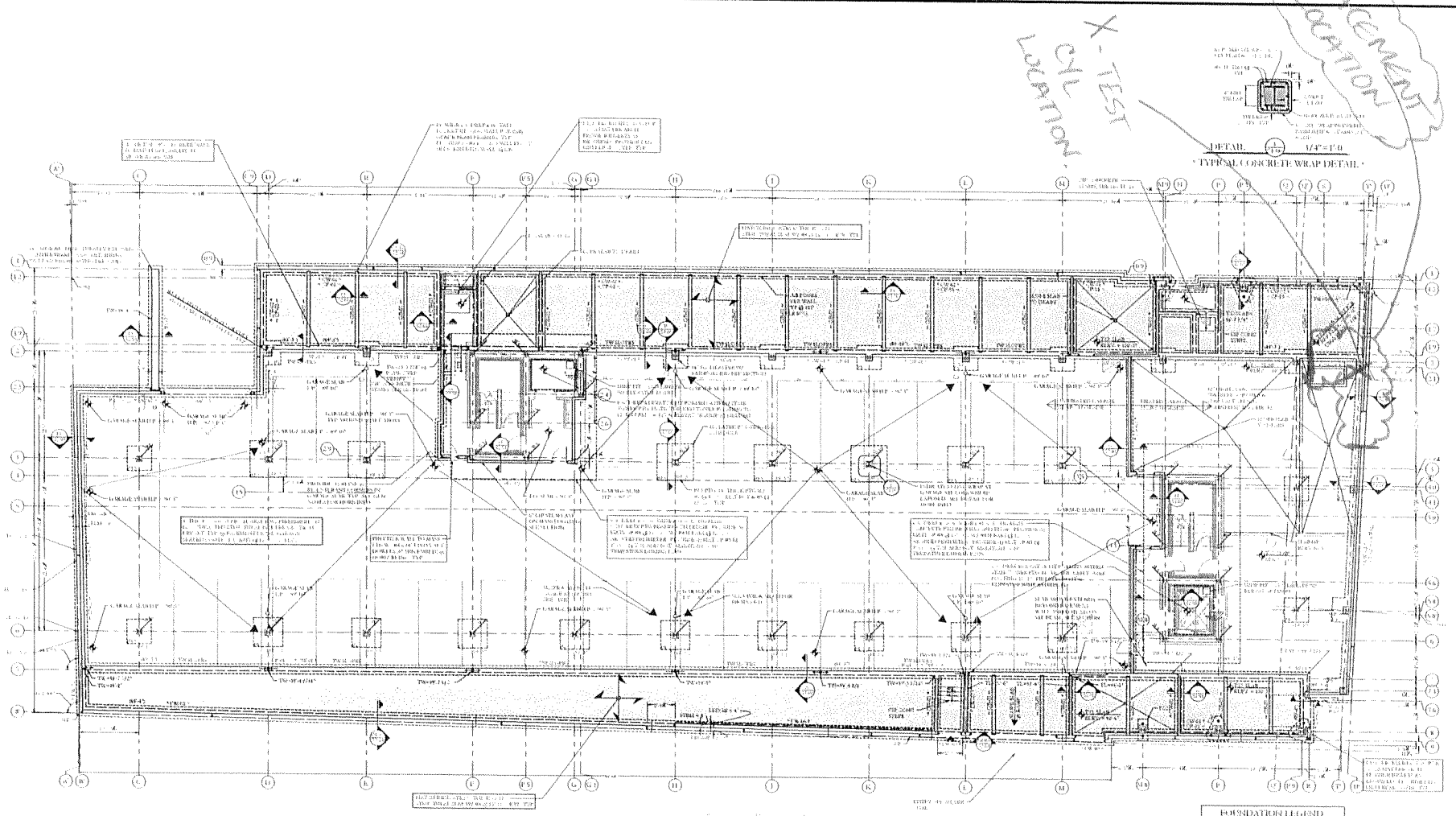
ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82244	3/17/2016	4.03	12.74	7	33555	2630	5
82245	3/24/2016	4.01	12.63	14	39405	3120	2
82246	4/7/2016	4.02	12.68	28	43465	3430	5
82247	4/7/2016	4.02	12.68	28	42805	3380	5
82248	HOLD			H			



Remarks:

Checked by: Matthew T. Grady, Manager of MTS



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

FOUNDATION PLAN

PILE CAP AND GRADE BEAM SCHEDULE

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

CONCRETE WALL SCHEDULE

MARK	SIZE	WALL REINFORCING

FOUNDATION LEGEND

Project: 667 Congress Street
Project No.: 1565-001
Date: 03-10-2016
Technologist: MARK SANDERS

667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
ARCHITECTURE

DATE: 2 NOVEMBER 2015
PROJECT No: 1565
DRAWN BY: MKS
CHECKED BY: ACJ
SCALE: AS NOTED
SHEET TITLE: FOUNDATION PLAN

S1.00

Structural Integrity

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

LETTER OF TRANSMITTAL

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

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82277	28
82278	28

Remarks:

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

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

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

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, March 15, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4000 psi
Weather Conditions:	Rain	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MasterairAE200, Master Gilenium, XYDEX-C500

Placement Location:
Foundation Wall - T/2 to T/7.4 to R-S/7.4

Test Cylinder Location:
Foundation Wall - T/3

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

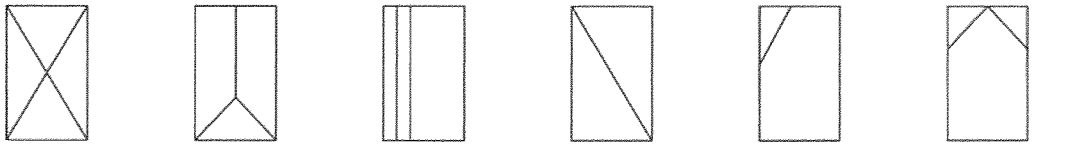
Date Report Issued:

Load Number:	2 of 4	Number of 4x8 Cylinders:		5
Ticket Number:	293339	Cast By:		Mary E. Sanders
Truck Number:	150	Slump:	ASTM C 143	5.50 in.
Cubic Yards:	10	Air Temperature:		40 °F
Total Yardage:	40	Concrete Temperature:		66 °F
Total Time (minutes):	87	Air Content:	ASTM C 231	5.5 %

Specimen Storage ASTM C 31
Field Cure Days: 1
Date Received: 3/16/2016
Condition of Cylinders: Good
Curing Temperatures: 72 °F to 86 °F

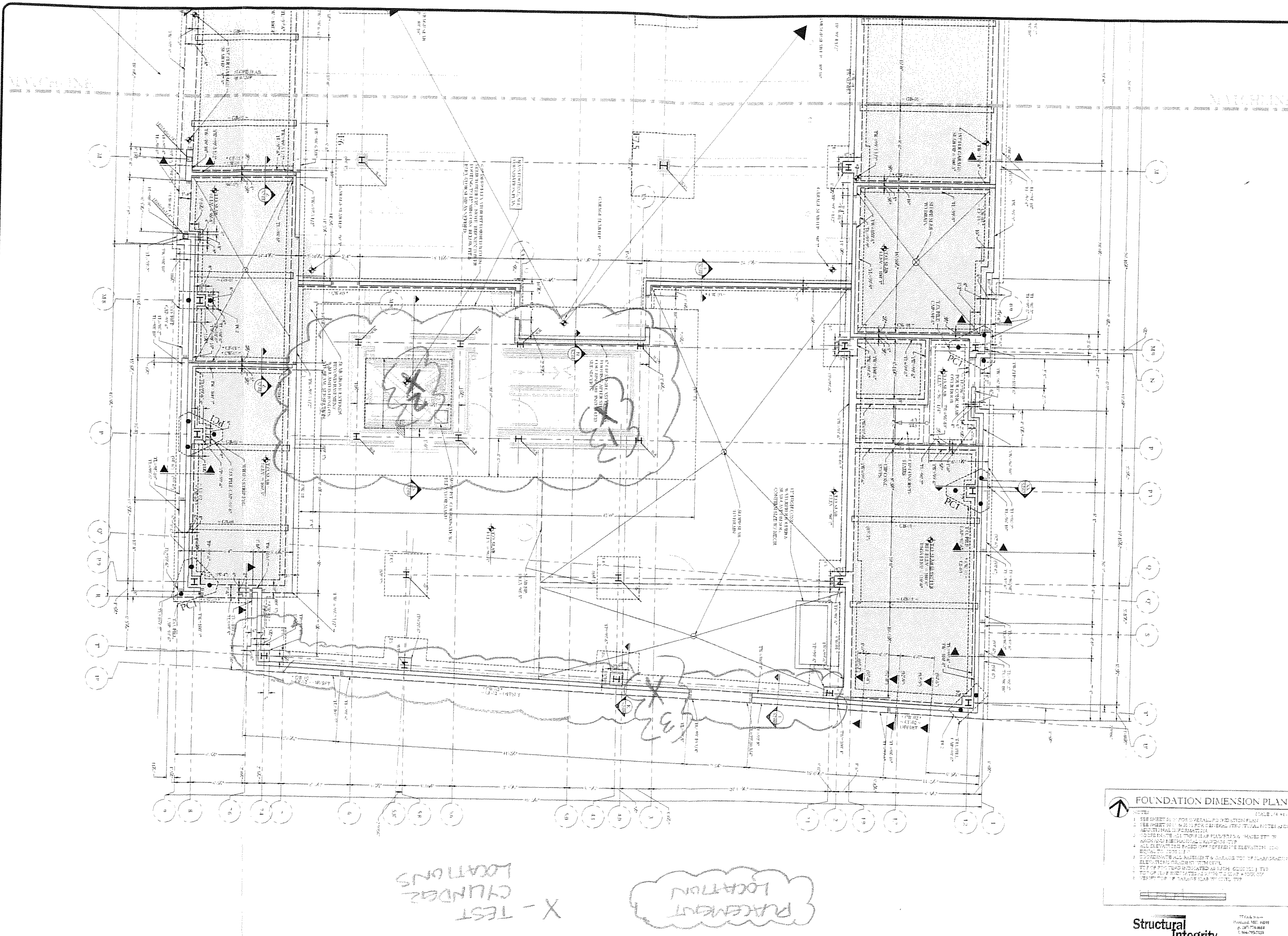
ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82275	3/22/2016	4.02	12.68	7	52955	4180	2
82276	3/29/2016	3.99	12.52	14	58090	4640	5
82277	4/12/2016	4.01	12.65	28	62850	4970	2
82278	4/12/2016	4.01	12.65	28	63500	5020	2
82279	HOLD			H			



Remarks:

Checked by: Matthew T. Grady, Manager of MTS



667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
RYAN SENATORE ARCHITECTURE

CONSULTANTS

REVISIONS

DATE	2 NOVEMBER 2015
PROJECT No.	1503
DRAWN BY	MKL
CHECKED BY	AC
SCALE	AS NOTED

SHEET TITLE
FOUNDATION DIMENSION PLAN

S1.00
D

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

LETTER OF TRANSMITTAL

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

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82267	28
82268	28
82272	28
82273	28

Remarks:

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

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

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

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, March 15, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3000 psi
Weather Conditions:	Rain	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MasterairAE200,Master R100, Master Gilenium

Placement Location:
Tower Crane Footing Mats 5-8, N-P/3.5-6

Test Cylinder Location:
N-P/4.1-5

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

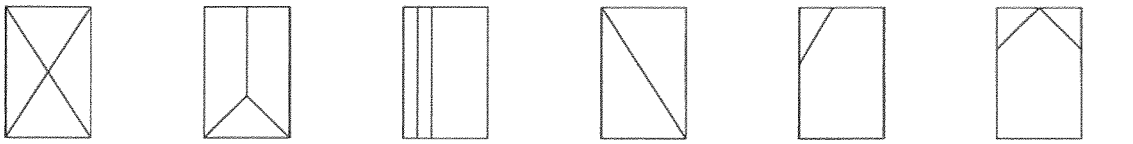
Date Report Issued:

Load Number:	3 of 10	Number of 4x8 Cylinders:		5
Ticket Number:	293316	Cast By:		Mary E. Sanders
Truck Number:	118	Slump:	ASTM C 143	6.50 in.
Cubic Yards:	10	Air Temperature:		40 °F
Total Yardage:	93	Concrete Temperature:		65 °F
Total Time (minutes):	47	Air Content:	ASTM C 231	7.0 %

Specimen Storage ASTM C 31
Field Cure Days: 1
Date Received: 3/16/2016
Condition of Cylinders: Good
Curing Temperatures: 72 °F to 86 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82265	3/22/2016	4.02	12.68	7	51095	4030	2
82266	3/29/2016	3.99	12.52	14	71855	5740	4
82267	4/12/2016	4.01	12.65	28	81195	6420	3
82268	4/12/2016	4.01	12.65	28	81040	6410	3
82269	HOLD			H			



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

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

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, March 15, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3000 psi
Weather Conditions:	Rain	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MasterairAE200,Master R100, Master Gilenium

Placement Location:
Tower Crane Footing Mats 5-8, N-P/3.5-6

Test Cylinder Location:
N-P/5.8

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

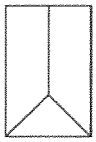
Load Number:	7 of 10	Number of 4x8 Cylinders:		5
Ticket Number:	293325	Cast By:		Mary E. Sanders
Truck Number:	118	Slump:	ASTM C 143	6.50 in.
Cubic Yards:	10	Air Temperature:		40 °F
Total Yardage:	93	Concrete Temperature:		64 °F
Total Time (minutes):	60	Air Content:	ASTM C 231	7.5 %

Specimen Storage ASTM C 31
Field Cure Days: 1
Date Received: 3/16/2016
Condition of Cylinders: Good
Curing Temperatures: 72 °F to 86 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82270	3/22/2016	4.02	12.68	7	44850	3540	3
82271	3/29/2016	3.99	12.52	14	61455	4910	5
82272	4/12/2016	4.01	12.65	28	71980	5690	2
82273	4/12/2016	4.01	12.65	28	74445	5890	6
82274	HOLD			H			

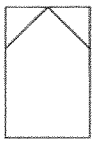

Cone
1


Cone & Split
2


Columnar
3

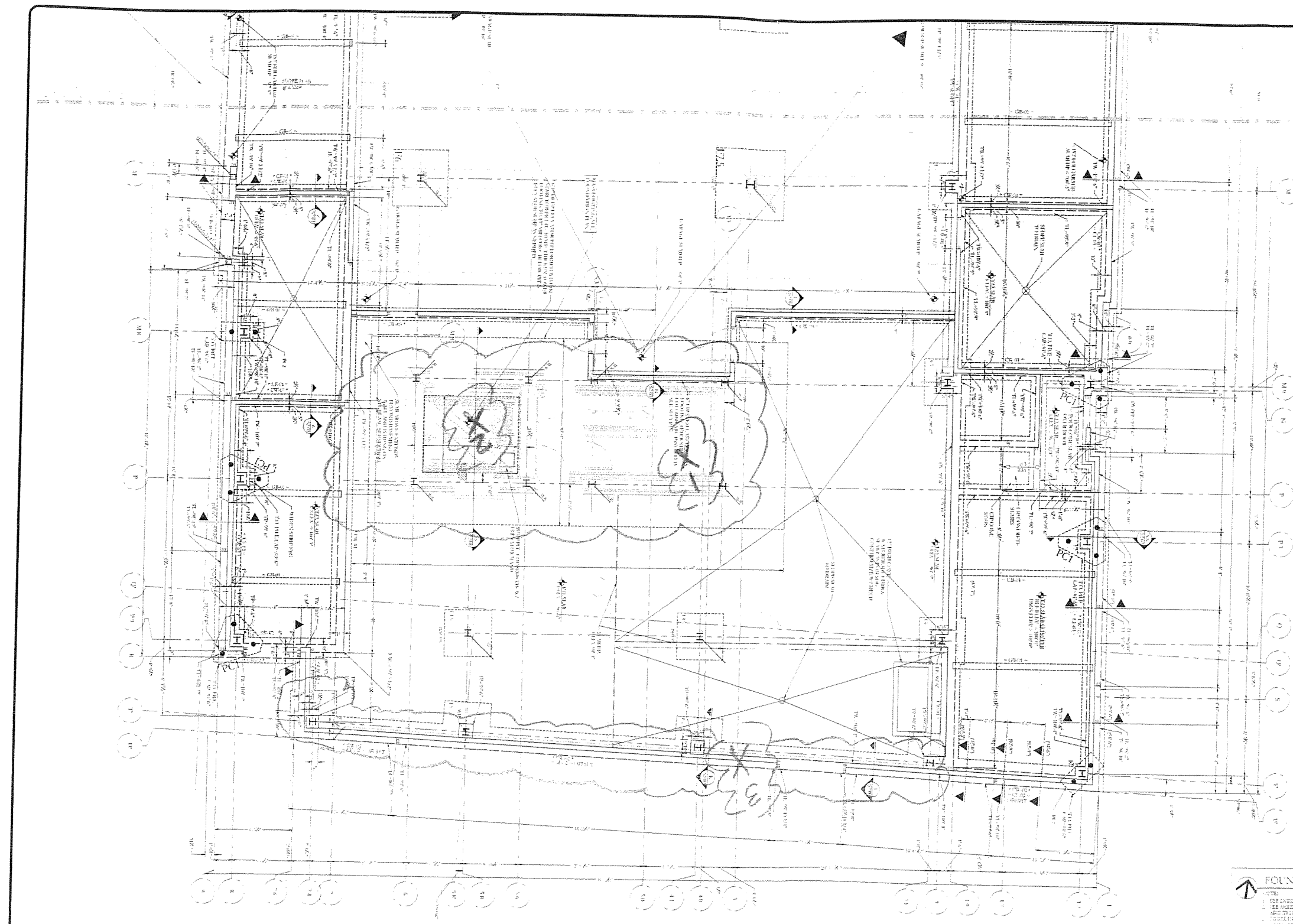

Shear
4


Side Fracture
5


Double Side Fracture
6

Remarks:

Checked by: Matthew T. Grady, Manager of MTS



STATE OF MAINE
AARON C. JONES
10 0884
PROFESSIONAL ENGINEER
Oct 2

RYAN SENATORE ARCHITECTURE

667 CONGRESS STREET

APARTMENTS

PORTLAND, MAINE

RSA

RYAN SENATORE
ARCHITECTURE

CONSULTANTS

REVISIONS

DATE	2 NOVEMBER 2015
PROJECT No.	1503
DRAWN BY	MKL
CHECKED BY	ACJ
SCALE	AS NOTED

SHEET TITLE:
FOUNDATION DIMENSION PLAN

S1.00
D

FOUNDATION DIMENSION PLAN

Structural Integrity

ST 15/003A

X - TEST CYLINDER LOCATIONS

PLACEMENT LOCATION

03-15-2016 MARK SANDERS

1/8" = 1'-0"

SEE STRUCTURAL SHEETS

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

LETTER OF TRANSMITTAL

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

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82310	28
82311	28

Remarks:

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

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

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

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Friday, March 18, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3000 psi
Weather Conditions:	Sun & Clouds	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	Master Air AE200, Master Glenium 7500

Placement Location:
Foundation Footings T/2 to T/1 to H/1 and P.3/2 to H-J/2

Test Cylinder Location:
Foundation Footing N/1

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

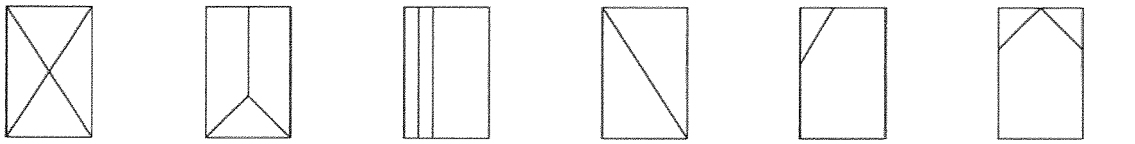
Date Report Issued:

Load Number:	2 of 4	Number of 4x8 Cylinders:		5
Ticket Number:	293449	Cast By:		Mary E. Sanders
Truck Number:	150	Slump:	ASTM C 143	4.50 in.
Cubic Yards:	10	Air Temperature:		51 °F
Total Yardage:	40	Concrete Temperature:		63 °F
Total Time (minutes):	85	Air Content:	ASTM C 231	5.1 %

Specimen Storage ASTM C 31
Field Cure Days: 3
Date Received: 3/21/2016
Condition of Cylinders: Good
Curing Temperatures: 60 °F to 71 °F

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

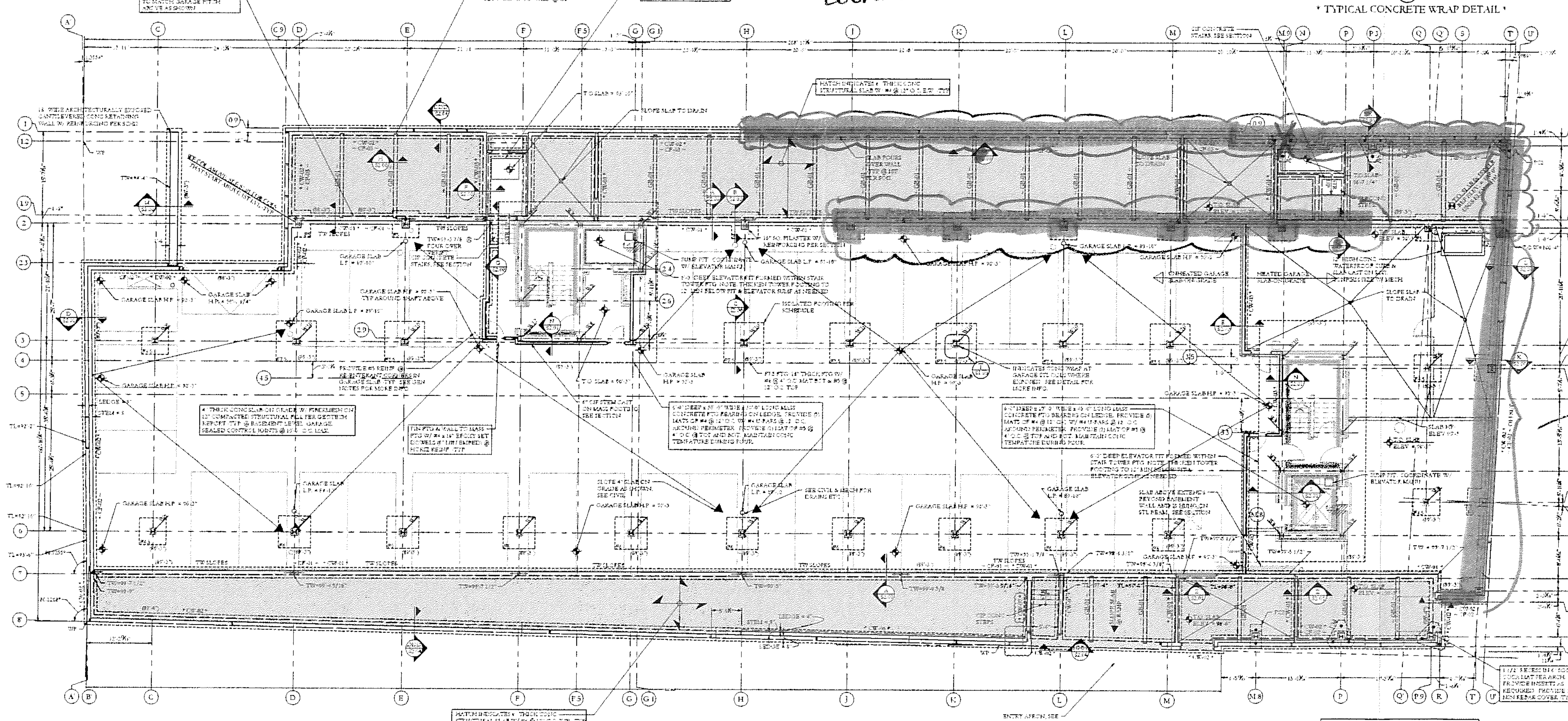
Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82308	3/25/2016	4.03	12.72	7	42015	3300	3
82309	4/1/2016	4.02	12.70	14	48640	3830	5
82310	4/15/2016	4.02	12.68	28	54435	4290	5
82311	4/15/2016	4.02	12.68	28	54170	4270	5
82312	HOLD			H			

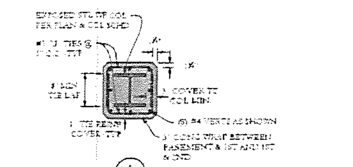


Remarks:

Checked by: Matthew T. Grady, Manager of MTS

1565-001
667 Congress St
3/18/16
MGS





FOUNDATION PLAN

SCALE 1/8"=1'-0"

NOTES
1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]
6. [illegible]
7. [illegible]

PILE CAP AND GRADE BEAM SCHEDULE

MARK	PLAN DETAIL SCALE 1/8"=1'-0"	NOTES
[redacted]	[illegible]	[illegible]
[redacted]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

CONCRETE WALL SCHEDULE

MARK	SIZE	WALL REINFORCING	NOTES
[illegible]	[illegible]	[illegible]	[illegible]

NOTE
1. [illegible]
2. [illegible]

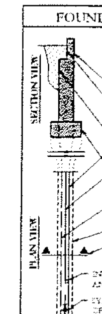
CONCRETE FOOTING SCHEDULE

MARK	SIZE	FTG REINFORCING	BEAR FTG ON
[redacted]	[illegible]	[illegible]	[illegible]
[redacted]	[illegible]	[illegible]	[illegible]
[redacted]	[illegible]	[illegible]	[illegible]

APPROXIMATE TOP OF FOOTING ELEVATIONS TO BE VERIFIED BASED ON FIELD CONDITIONS.

FOUNDATION LEGEND

NOTE: LEGEND INDICATES LINETYPES AND TYPICAL SYMBOLS USED ON FOUNDATION PLAN. PLAN OR SECTION VIEW SHOWN NOT REPRESENTATIVE OF ACTUAL CONDITIONS.



1 1/5/16

Structural Integrity
BUILD WITH CONFIDENCE
SI 15-0038

667 CONGRESS STREET

APARTMENTS
PORTLAND, MAINE

RSA
RYAN SENATORE ARCHITECTURE

CONSULTANTS:

STATE OF MAINE — AARON C JONES No. 10956 — LICENSED PROFESSIONAL ENGINEER

REVISIONS:
1. 1/5/16

DATE:	2 NOVEMBER 2015
PROJECT No.	1503
DRAWN BY:	MKL
CHECKED BY	ACJ
SCALE	AS NOTED

SHEET TITLE
FOUNDATION PLAN

S1.00

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

LETTER OF TRANSMITTAL

Date:	Project No.:
April 20, 2016	1565-001
Attention: Blaine Buck (bbuck@cordjiacpg.com)	
Re: Concrete Testing 667 Congress Street Apartments Project Portland, ME 04101	

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82315	28
82316	28

Remarks:

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

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

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

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Wednesday, March 23, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4000 psi
Weather Conditions:	Sun & Clouds	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	Masterair AE200, Master Glenium 7500, XYPEX-C500

Placement Location:
Foundation Wall - T/2 to T/7.4 to R/7.4

Test Cylinder Location:
T/5.0-5.6

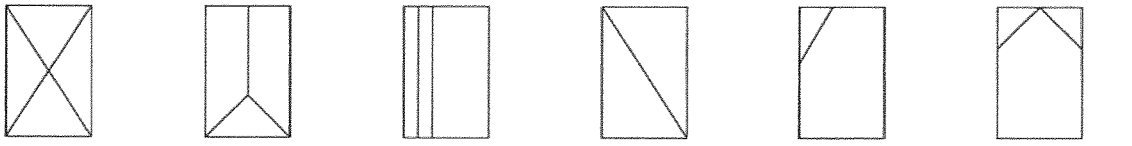
ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

Load Number:	1 of 2	Number of 4x8 Cylinders:		5
Ticket Number:	293514	Cast By:		Mary E. Sanders
Truck Number:	119	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	10	Air Temperature:		50 °F
Total Yardage:	20	Concrete Temperature:		73 °F
Total Time (minutes):	85	Air Content:	ASTM C 231	4.5 %

Specimen Storage ASTM C 31
Field Cure Days: 1
Date Received: 3/24/2016
Condition of Cylinders: Good
Curing Temperatures: 73 °F to 79 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82313	3/31/2016	4.03	12.72	8	55430	4360	5
82314	4/6/2016	4.03	12.73	14	63355	4980	5
82315	4/20/2016	4.02	12.67	28	65570	5170	5
82316	4/20/2016	4.02	12.67	28	64805	5110	3
82317	HOLD			H			



Remarks:

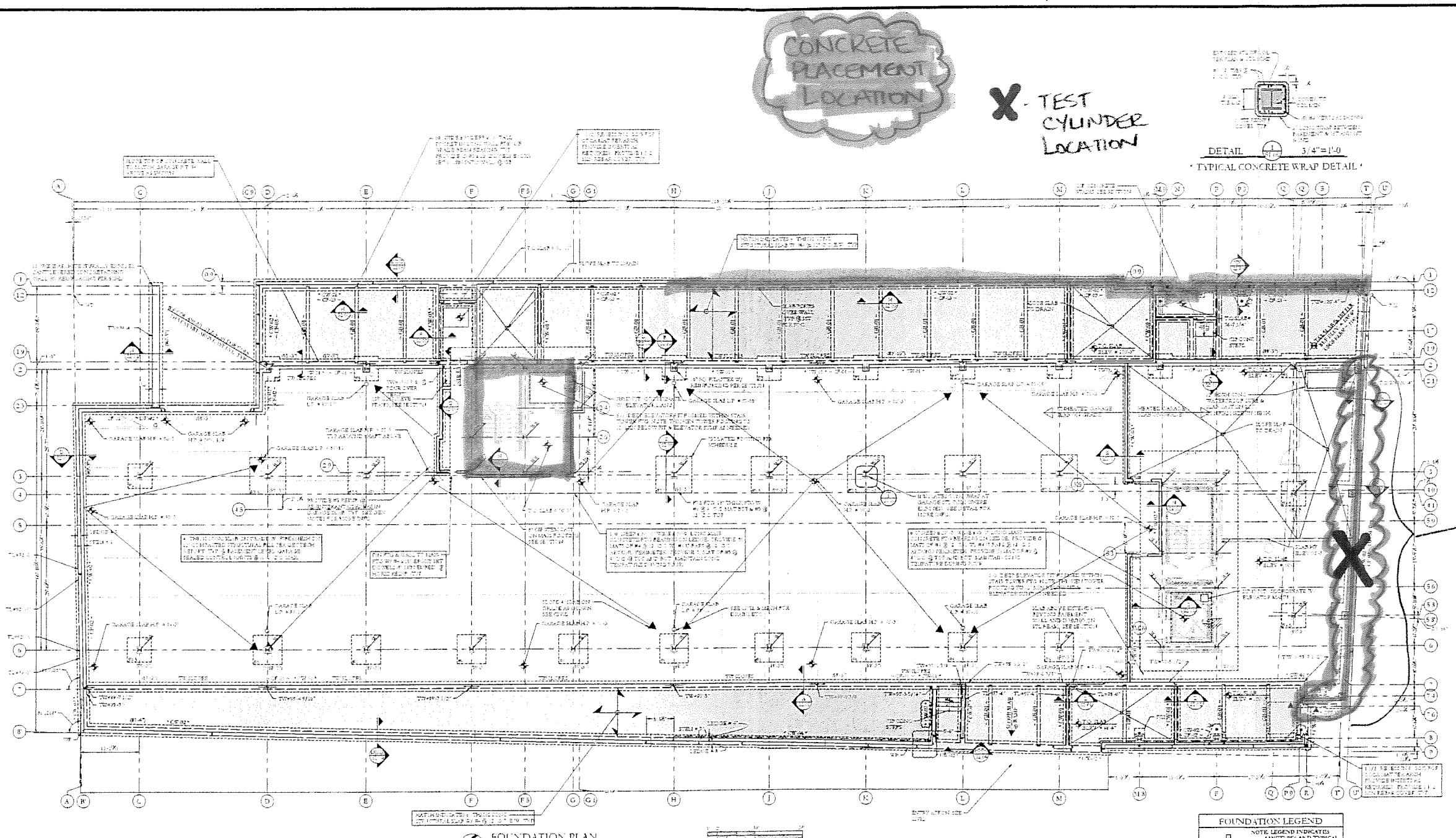
Checked by: Matthew T. Grady, Manager of MTS

REBAR INSPECTION AREA

1565-001
667 CONGRESS ST.
3/23/16
MES

CONCRETE PLACEMENT LOCATION

X - TEST CYLINDER LOCATION



DETAIL 3/4"=1'-0
TYPICAL CONCRETE WRAP DETAIL

REINSPECTED 05-23-2016

PILE CAP AND GRADE BEAM SCHEDULE

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

FOUNDATION PLAN

SCALE: 1/8"=1'-0"

NOTES:
1. SEE SHEET S1.01 FOR TYPICAL FOUNDATION NOTES AND ADDITIONAL PLANS
2. COORDINATE ALL SLAB DEPRESSIONS WITH ARCHITECTURAL PLANS
3. ALL SLAB ON GRADE SHALL BE MIN. 6" THICK UNLESS NOTED OTHERWISE
4. COORDINATE ALL PIPE SLEEVES AND OPENINGS WITH ALL TRADES
5. SEE ARCHITECTURAL PLANS FOR ALL DIMENSIONS NOT SHOWN

CONCRETE WALL SCHEDULE

MARK	SIZE	WALL REINFORCING	NOTES

CONCRETE FOOTING SCHEDULE

MARK	SIZE	FTG REINFORCING	REMARKS FTG CONDITIONS

APPROXIMATE TOP OF FOOTING ELEVATIONS TO BE VERIFIED BASED ON FIELD CONDITIONS.

FOUNDATION LEGEND

NOTE: LEGEND INDICATES LINETYPES AND TYPICAL SYMBOLS USED ON FOUNDATION PLAN. PLAN OR SECTION VIEW SHOWN NOT REPRESENTATIVE OF ACTUAL CONDITIONS.

SECTION

ELEVATION

INDICATES FACE OF CONCRETE WALL

INDICATES TOP OF STEM WALL

INDICATES FACE OF CONCRETE WALL BELOW

INDICATES FACE OF FOOTING

1/S1.00 1/5/16

Structural Integrity

01 15-2036

667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
RYAN SENATORE ARCHITECTURE

CONSULTANTS

REVISIONS
1. 1/5/16

DATE: 2 NOVEMBER 2015
PROJECT No. 1503
DRAWN BY MRL
CHECKED BY ADL
SCALE AS NOTED

SHEET TITLE
FOUNDATION PLAN

S1.00

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

LETTER OF TRANSMITTAL

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

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82336	28
82337	28
82346	28
82347	28

Remarks:

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

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

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

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, March 24, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3000 psi
Weather Conditions:	Snow Showers	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MasterAir AE200, MasterSet R100, Master Glenium 7500

Placement Location:
Foundation Footing F-G/2-3 (1/2" Depth)

Test Cylinder Location:
F.5/2.4

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

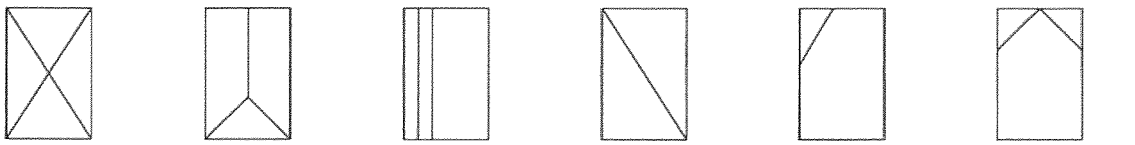
Date Report Issued:

Load Number:	3 of 7	Number of 4x8 Cylinders:		5
Ticket Number:	293558	Cast By:		Mary E. Sanders
Truck Number:	118	Slump:	ASTM C 143	7.00 in.
Cubic Yards:	10	Air Temperature:		32 °F
Total Yardage:	68	Concrete Temperature:		61 °F
Total Time (minutes):	50	Air Content:	ASTM C 231	7.0 %

Specimen Storage ASTM C 31
Field Cure Days: 1
Date Received: 3/25/2016
Condition of Cylinders: Good
Curing Temperatures: 63 °F to 68 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82334	3/31/2016	4.03	12.72	7	50060	3930	4
82335	4/7/2016	4.02	12.68	14	65385	5160	5
82336	4/21/2016	4.02	12.72	28	82375	6480	5
82337	4/21/2016	4.02	12.72	28	84740	6660	4
82338	HOLD			H			



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

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

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, March 24, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3000 psi
Weather Conditions:	Rain Showers	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MasterAir AE200, MasterSet R100, Master Glenium 7500

Placement Location:
Foundation Footing F-G/2-3 (1/2" Depth)

Test Cylinder Location:
F-F.5/2.6-3

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

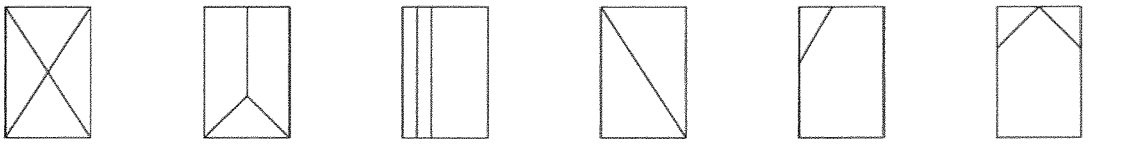
Load Number:	3 of 7	Number of 4x8 Cylinders:		5
Ticket Number:	293564	Cast By:		Mary E. Sanders
Truck Number:	116	Slump:	ASTM C 143	6.50 in.
Cubic Yards:	10	Air Temperature:		32 °F
Total Yardage:	68	Concrete Temperature:		64 °F
Total Time (minutes):	63	Air Content:	ASTM C 231	6.8 %

Specimen Storage ASTM C 31

Field Cure Days: 1
Date Received: #VALUE!
Condition of Cylinders: Good
Curing Temperatures: 63 °F to 68 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82344	4/1/2016	4.02	12.70	7	52265	4120	6
82345	4/7/2016	4.02	12.68	14	66525	5250	5
82346	4/21/2016	4.02	12.72	28	82205	6460	1
82347	4/21/2016	4.02	12.72	28	79650	6260	4
82348	HOLD			H			



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

667 CONGRESS ST
1565-001
3/24/16
MKB

CONCRETE PLACEMENT LOCATION

X - TEST CYLINDER LOCATIONS

DETAIL 1 (S1.00) 3/4"=1'-0
* TYPICAL CONCRETE WRAP DETAIL *

PILE CAP AND GRADE BEAM SCHEDULE

MARK	PLAN DETAIL	SCALE: 1/8"=1'-0"	NOTES
PC1			
PC2			
PC3			

FOUNDATION PLAN

SCALE: 1/8"=1'-0"

NOTES:
1. SEE SHEET S1.00 & S1.10 FOR GENERAL STRUCTURAL NOTES AND ADDITIONAL INFORMATION.
2. COORDINATE ALL CMU SLAB DEPTHS IN STAIRS WITH ARCHITECTURAL DRAWINGS.
3. ALL ELEVATIONS SHOWN ARE APPROXIMATE AND MUST BE VERIFIED WITH CIVIL.
4. COORDINATE ALL PARAPET & GARAGE TOP OF SLAB ELEVATIONS WITH CIVIL.
5. TOP OF FOOTING ELEVATIONS ARE ± 6" UNLESS NOTED.
6. ALL CMU WALLS SHOWN ARE 8" NOMINAL WIDTH.
7. SLOPE TOP OF GARAGE SLAB TO DRAIN.

CONCRETE WALL SCHEDULE

MARK	SIZE	WALL REINFORCING	NOTES
CW1	12" WALL		
CW2	12" WALL		
CW3	12" WALL		
CW4	12" WALL		
CW5	12" WALL		
CW6	12" WALL		
CW7	12" WALL		

NOTE:
1. ALL FOOTING WALLS SHALL BE POURED IN ONE CONTINUOUS POUR & NOT STAGED.
2. ADDITIONAL REINFORCING IS REQUIRED AT PENETRATIONS.

CONCRETE FOOTING SCHEDULE

MARK	SIZE	FTG REINFORCING	BEAR FTG ON
F1	24" WIDE x 12" THICK FOOTING	(4) #5 CONT. BOTTOM & TOP	UNDISTURBED NATURAL SOIL
F2	30" WIDE x 12" THICK FOOTING	(4) #5 CONT. BOTTOM & TOP	UNDISTURBED NATURAL SOIL
F3	36" WIDE x 12" THICK FOOTING	(4) #5 CONT. BOTTOM & TOP	UNDISTURBED NATURAL SOIL
F4	42" WIDE x 12" THICK FOOTING	(4) #5 CONT. BOTTOM & TOP	UNDISTURBED NATURAL SOIL
F5	48" WIDE x 12" THICK FOOTING	(4) #5 CONT. BOTTOM & TOP	UNDISTURBED NATURAL SOIL
F6	60" WIDE x 12" THICK FOOTING	(4) #5 CONT. BOTTOM & TOP	UNDISTURBED NATURAL SOIL
F7	72" WIDE x 12" THICK FOOTING	(4) #5 CONT. BOTTOM & TOP	UNDISTURBED NATURAL SOIL
F8	84" WIDE x 12" THICK FOOTING	(4) #5 CONT. BOTTOM & TOP	UNDISTURBED NATURAL SOIL
F9	96" WIDE x 12" THICK FOOTING	(4) #5 CONT. BOTTOM & TOP	UNDISTURBED NATURAL SOIL
F10	108" WIDE x 12" THICK FOOTING	(4) #5 CONT. BOTTOM & TOP	UNDISTURBED NATURAL SOIL

APPROXIMATE TOP OF FOOTING ELEVATIONS TO BE VERIFIED BASED ON FIELD CONDITIONS.

FOUNDATION LEGEND

NOTE LEGEND INDICATES LINETYPES AND TYPICAL SYMBOLS USED ON FOUNDATION PLAN, PLAN OR SECTION VIEW SHOWN NOT REPRESENTATIVE OF ACTUAL CONDITIONS.

SECTION VIEW
- INDICATES FACE OF CMU WALL
- INDICATES FACE OF CONC. WALL
- INDICATES FACE OF CONC. STEM WALL/SHEAR
- INDICATES FACE OF CONC. STEM WALL/SHEAR W/ CONC. FOOTING BELOW
- INDICATES FACE OF FOOTING

PLAN VIEW
- INDICATES STEM WALL OR PIERS ABOVE WITH LOWER SHAPE
- INDICATES FOOTING BELOW TOP OF WALL ABOVE OR FACE OF ABOVE/BELOW WALL

Structural Integrity Consulting Engineers, PA
77 Oak Street, Portland, ME 04101
p 207.774.4434 f 866.774.7438
www.structuralintegrity.com
BUILT WITH CONFIDENCE

SI 15-0038

STATE OF MAINE
AARON C. JONES
No. 10995
REGISTERED PROFESSIONAL ENGINEER
OCT. 13

667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
RYAN SENATORE ARCHITECTURE
100 COMMERCIAL STREET, SUITE 309
PORTLAND, MAINE 04101
207.772.2846

CONSULTANTS:
STRUCTURAL
Structural Integrity
77 Oak Street
Portland, ME 04101
207.774.4434

REVISIONS: 1. 1/5/16	
DATE:	2 NOVEMBER 2015
PROJECT No.	1523
DRAWN BY	MKL
CHECKED BY	ACJ
SCALE	AS NOTED

SHEET TITLE
FOUNDATION PLAN

S1.00

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

LETTER OF TRANSMITTAL

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

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82341	28
82342	28

Remarks:

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

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

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

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Friday, March 25, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3000 psi
Weather Conditions:	Rain Showers	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	Masterair AE200, Master Glenium 7500

Placement Location:
Foundation Footing T/7 to H-J/7

Test Cylinder Location:
M/7

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

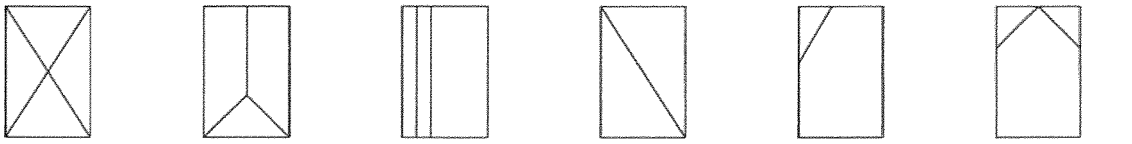
Date Report Issued:

Load Number:	1 of 1	Number of 4x8 Cylinders:		5
Ticket Number:	293574	Cast By:		Mary E. Sanders
Truck Number:	119	Slump:	ASTM C 143	4.75 in.
Cubic Yards:	10	Air Temperature:		33 °F
Total Yardage:	10	Concrete Temperature:		63 °F
Total Time (minutes):	80	Air Content:	ASTM C 231	6.2 %

Specimen Storage ASTM C 31
Field Cure Days: 3
Date Received: 3/28/2016
Condition of Cylinders: Good
Curing Temperatures: 66 °F to 96 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82339	4/1/2016	4.02	12.70	7	37505	2950	5
82340	4/8/2016	4.02	12.70	14	45265	3560	6
82341	4/22/2016	4.01	12.65	28	50080	3960	5
82342	4/22/2016	4.01	12.65	28	49790	3940	5
82343	HOLD			H			



Remarks:

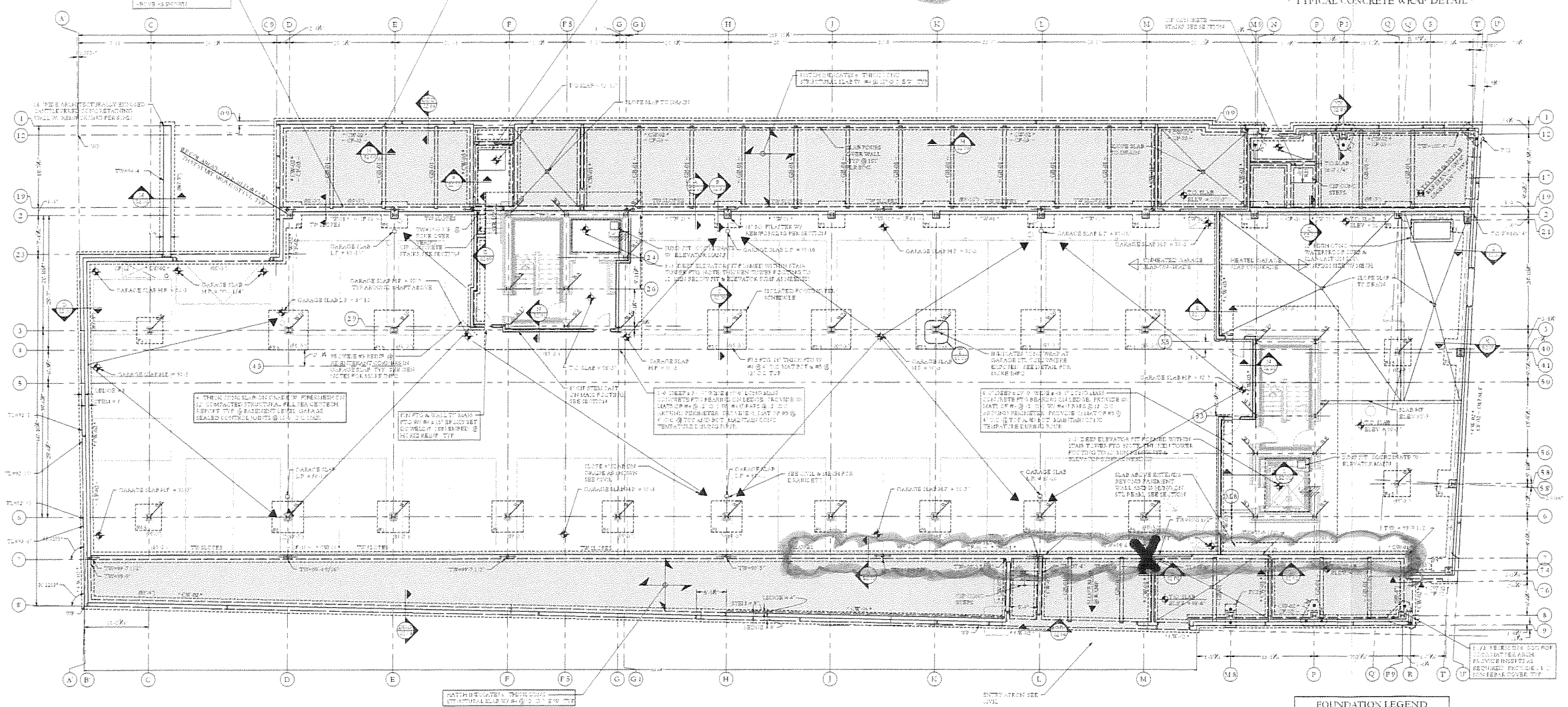
Checked by: Matthew T. Grady, Manager of MTS

B65-001
667 CONGRESS ST
3/25/16
MES

X - TEST CYLINDER LOCATION

REBAR INSPECTION AREA AND CONCRETE PLACEMENT AREA ARE THE SAME

DETAIL 1 (S1.00) 3/4"=1'-0"
" TYPICAL CONCRETE WRAP DETAIL "



FOUNDATION PLAN
SCALE: 1/8"=1'-0"

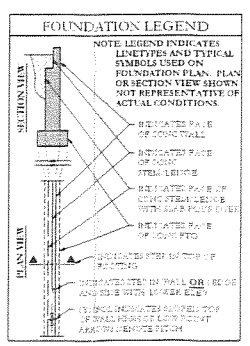
NOTES:
1. SEE SHEET S1.01 FOR GENERAL STRUCTURAL NOTES AND ADDITIONAL INFORMATION.
2. COORDINATE ALL CHASE LOCATIONS & SHOWN WITH MECHANICAL DRAWINGS. TYP.
3. ALL ELEVATIONS SHOWN ARE FINISHED ELEVATIONS, ADJUST TO SUBFLOOR AS REQ'D.
4. COORDINATE ALL BASEMENT & GARAGE TOP OF SLAB DRAINS ELEVATIONS DRAINING WITH LEVEL OF SURROUNDING CONCRETE AS SHOWN ON PLAN TYP.
5. SEE FOUNDATION SECTIONS FOR SLAB & FOOTING SIZES.
6. VERIFY TOP OF GARAGE SLAB W/ CIVIL TYP.

PILE CAP AND GRADE BEAM SCHEDULE

MARK	PLAN DETAIL	SCALE: 1/8"=1'-0"	NOTES
PC1	2-#5 TIE BARS @ TOP OF PILE CAP #5 BOTTOM REINFORCING EDGE OF CONCRETE WALL ABOVE CENTER OF PILE #5 TIE BARS @ 12" O.C. TYP. PILE CAP REINFORCING PROVIDE #4 HORIZONTAL TIES @ 12" O.C. TYP. PILE CAP PERIMETER CENTER OF PILE STEEL PIPE PILE SEE PILE SCHEDULE FOR SIZE & NUMBER OF PILES		
PC2	EDGE OF CONCRETE WALL ABOVE CENTER OF PILE CENTER OF PILE STEEL PIPE PILE		
GB1	CONCRETE GRADE BEAM		

FOUNDATION LEGEND

NOTE: LEGEND INDICATES LINETYPES AND TYPICAL SYMBOLS USED ON FOUNDATION PLAN. PLAN OR SECTION VIEW SHOWN NOT REPRESENTATIVE OF ACTUAL CONDITIONS.



CONCRETE WALL SCHEDULE

MARK	SIZE	WALL REINFORCING	NOTES
CW1	12" CONC. WALL	#5@12" O.C. VERT. & #5@12" O.C. HORIZ.	FOUNDATION WALL @ PERIMETER OF GARAGE
CW2	8" CONC. WALL	#5@12" O.C. VERT. & #5@12" O.C. HORIZ.	
CW3	8" CONC. WALL	#5@12" O.C. VERT. & #5@12" O.C. HORIZ.	INTERIOR SHEAR WALL AT ELEVATOR SHAFT
CW4	12" CONC. WALL	#5@12" O.C. VERT. & #5@12" O.C. HORIZ.	
CW5	24" CONC. WALL	#5@12" O.C. VERT. & #5@12" O.C. HORIZ. W/ #5@12" O.C. VERT. & #5@12" O.C. HORIZ. MIDDLE REINFORCING	RETAINING WALL @ ELEVATOR SHAFT PROVIDE #5@12" O.C. VERT. & #5@12" O.C. HORIZ. EACH FACE
CW6	8" CONC. WALL	#5@12" O.C. VERT. & #5@12" O.C. HORIZ.	
CW7	12" CONC. WALL	#5@12" O.C. VERT. & #5@12" O.C. HORIZ.	

NOTE:
1. ALL CONCRETE WALLS SHALL BE BRACED TO RESIST HORIZONTAL FORCES DURING CONSTRUCTION AND BACKFILLING.
2. REFER TO DETAILS FOR TYPICAL REINFORCING AT WALL INTERSECTIONS.

CONCRETE FOOTING SCHEDULE

MARK	SIZE	TYP. REINFORCING	REMARKS
F1	24" WIDE x 12" THICK CONTINUOUS	#5@12" O.C. PER REINFORCING	
F2	20" WIDE x 12" THICK CONTINUOUS	#5@12" O.C. PER REINFORCING	
F3	16" WIDE x 12" THICK CONTINUOUS	#5@12" O.C. PER REINFORCING	
F4	12" WIDE x 12" THICK CONTINUOUS	#4@12" O.C. PER REINFORCING	
F5	24" WIDE x 12" THICK CONTINUOUS	#5@12" O.C. PER REINFORCING	
F6	20" WIDE x 12" THICK CONTINUOUS	#5@12" O.C. PER REINFORCING	
F7	16" WIDE x 12" THICK CONTINUOUS	#5@12" O.C. PER REINFORCING	
F8	12" WIDE x 12" THICK CONTINUOUS	#4@12" O.C. PER REINFORCING	

APPROXIMATE TOP OF FOOTING ELEVATIONS TO BE VERIFIED BASED ON FIELD CONDITIONS:
* TOP OF FOOTING AT BASEMENT WALLS TO BE AT CONCRETE @ PERIMETER = VER. EL. + 100'-0"
** TOP OF FOOTING AT GARAGE WALLS TO BE AT CONCRETE @ PERIMETER = VER. EL. + 100'-0"

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www.structuralinc.com

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STATE OF MAINE
AARON C JONES
No. 12995
REGISTERED PROFESSIONAL ENGINEER
Oct. 15

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APARTMENTS
PORTLAND, MAINE

RSA
RYAN SENATORE ARCHITECTURE
100 CONGRESS STREET
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www.ryansenatore.com

CONSULTANTS:
STRUCTURAL
Structural Integrity
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Portland, ME 04101
p. 207.774.4454
f. 866.774.7438

REVISIONS: 1. 1/5/16
DATE: 2 NOVEMBER 2015
PROJECT No. 1503
DRAWN BY MKL
CHECKED BY ACJ
SCALE AS NOTED

SHEET TITLE
FOUNDATION PLAN

S1.00

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

LETTER OF TRANSMITTAL

Date:	Project No.:
April 26, 2016	1565-001
Attention: Blaine Buck (bbuck@cordjiacpg.com)	
Re: Concrete Testing 667 Congress Street Apartments Project Portland, ME 04101	

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82355	28
82356	28
82360	28
82361	28
82365	28
82366	28

Remarks:

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

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

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

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, March 29, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3000 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MasterAir AE200, Master Set R100, Master Glenium 7500

Placement Location:
Foundation Footing F-G/2-3

Test Cylinder Location:
F.5/2-2.4

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

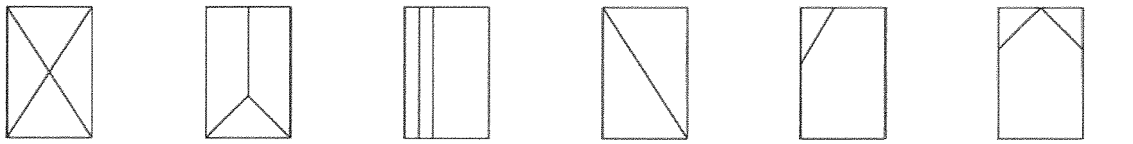
Date Report Issued:

Load Number:	3 of 13	Number of 4x8 Cylinders:		5
Ticket Number:	293642	Cast By:		Mary E. Sanders
Truck Number:	118	Slump:	ASTM C 143	7.00 in.
Cubic Yards:	10	Air Temperature:		47 °F
Total Yardage:	130	Concrete Temperature:		63 °F
Total Time (minutes):	46	Air Content:	ASTM C 231	6.7 %

Specimen Storage ASTM C 31
Field Cure Days: 2
Date Received: 3/31/2016
Condition of Cylinders: Good
Curing Temperatures: 70 °F to 77 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82353	4/5/2016	4.01	12.60	7	52295	4150	2
82354	4/12/2016	4.01	12.65	14	72615	5740	2
82355	4/26/2016	4.01	12.60	28	84480	6700	5
82356	4/26/2016	4.01	12.60	28	84535	6710	2
82357	HOLD			H			



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

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

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, March 29, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3000 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MasterAir AE200, Master Set R100, Master Glenium 7500

Placement Location:
Foundation Footing F-G/2-3

Test Cylinder Location:
F-F.5/2.6

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

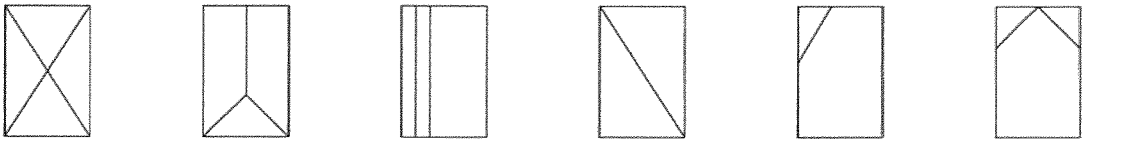
Date Report Issued:

Load Number:	8 of 13	Number of 4x8 Cylinders:		5
Ticket Number:	293656	Cast By:		Mary E. Sanders
Truck Number:	118	Slump:	ASTM C 143	7.00 in.
Cubic Yards:	10	Air Temperature:		47 °F
Total Yardage:	130	Concrete Temperature:		66 °F
Total Time (minutes):	45	Air Content:	ASTM C 231	6.8 %

Specimen Storage ASTM C 31
Field Cure Days: 2
Date Received: 3/31/2016
Condition of Cylinders: Good
Curing Temperatures: 70 °F to 77 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82358	4/5/2016	4.01	12.60	7	59680	4740	5
82359	4/12/2016	4.01	12.65	14	77990	6170	2
82360	4/26/2016	4.01	12.60	28	92415	7330	3
82361	4/26/2016	4.01	12.60	28	90835	7210	3
82362	HOLD			H			



Remarks:

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

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

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, March 29, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3000 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MasterAir AE200, Master Set R100, Master Glenium 7500

Placement Location:
Foundation Footing F-G/2-3

Test Cylinder Location:
F.5-G/2.6-3

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	11 of 13	Number of 4x8 Cylinders:		5
Ticket Number:	293660	Cast By:		Mary E. Sanders
Truck Number:	116	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	10	Air Temperature:		47 °F
Total Yardage:	130	Concrete Temperature:		66 °F
Total Time (minutes):	60	Air Content:	ASTM C 231	6.8 %

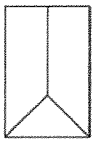
Specimen Storage ASTM C 31

Field Cure Days: 2
Date Received: 3/31/2016
Condition of Cylinders: Good
Curing Temperatures: 70 °F to 77 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82363	4/5/2016	4.01	12.60	7	56820	4510	5
82364	4/12/2016	4.01	12.65	14	77720	6140	3
82365	4/26/2016	4.01	12.60	28	97330	7720	3
82366	4/26/2016	4.01	12.60	28	95735	7600	2
82367	HOLD			H			

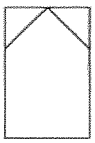

Cone
1


Cone & Split
2


Columnar
3


Shear
4


Side Fracture
5


Double Side Fracture
6

Remarks:

Checked by: Matthew T. Grady, Manager of MTS

1565-001
667 Congress St.
3/29/16
MES

CONCRETE PLACEMENT LOCATION

X - TEST CYLINDER LOCATIONS

X2
X3
X1

FOUNDATION DIMENSION PLAN

NOTES

1. SEE SHEET S1.10 FOR OVERALL FOUNDATION PLAN
2. SEE SHEET S1.01 & S1.02 FOR GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS
3. COORDINATE ALL THRU SLAB PENETRATIONS W/ MECHANICAL, ELECTRICAL & PLUMBING DRAWINGS
4. ALL ELEVATIONS BASED OFF REFERENCE ELEVATION 100'-0" TOP OF FOOTING = 0'-0"
5. COORDINATE ALL BASEMENT & GARAGE SLAB ELEVATIONS W/ CIVIL
6. TOP OF FOOTING ELEVATIONS AS NOTED ON PLAN
7. TOP OF SLAB ELEVATIONS AS NOTED ON PLAN
8. VERIFY TOP OF GARAGE SLAB W/ CIVIL

1 FOUNDATION DIMENSION PLAN
1/8" = 1'-0"

Structural Integrity
Building Confidence

STATE OF MAINE
AARON C. JONES
No. 12955
PROFESSIONAL ENGINEER
Oct. 15

667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
RYAN SENATORE ARCHITECTURE
561 CONGRESS STREET
PORTLAND, MAINE 04101
207.828.1818
WWW.RSARCHITECTURE.COM

CONSULTANTS:
STRUCTURAL
Structural Integrity
CIVIL
LANDSCAPE
MEP/FP
GEOTECHNICAL

REVISIONS:
1 1/5/16

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

SHEET TITLE
FOUNDATION DIMENSION PLAN

S1.00
B

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

LETTER OF TRANSMITTAL

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

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82390	28
82391	28

Remarks:

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

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

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

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, March 31, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4000 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MasterAir AE200, MasterGlenium 7500

Placement Location:
Foundation Wall T/2 to T/1 to H-J/1

Test Cylinder Location:
K-L/1

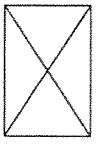
ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete **Date Report Issued:**

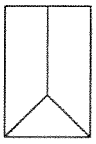
Load Number:	2 of 5	Number of 4x8 Cylinders:		5
Ticket Number:	293759	Cast By:		Mary E. Sanders
Truck Number:	116	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	10	Air Temperature:		62 °F
Total Yardage:	45	Concrete Temperature:		75 °F
Total Time (minutes):	77	Air Content:	ASTM C 231	5.1 %

Specimen Storage ASTM C 31
Field Cure Days: 1
Date Received: 4/1/2016
Condition of Cylinders: Good
Curing Temperatures: 71 °F to 78 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82388	4/7/2016	4.02	12.68	7	46570	3670	5
82389	4/14/2016	4.01	12.65	14	55785	4410	2
82390	4/28/2016	4.01	12.62	28	64935	5140	2
82391	4/28/2016	4.01	12.62	28	61430	4870	3
82392	HOLD			H			

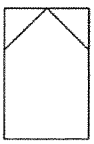

Cone
1


Cone & Split
2


Columnar
3


Shear
4


Side Fracture
5


Double Side Fracture
6

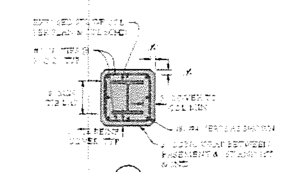
Remarks:

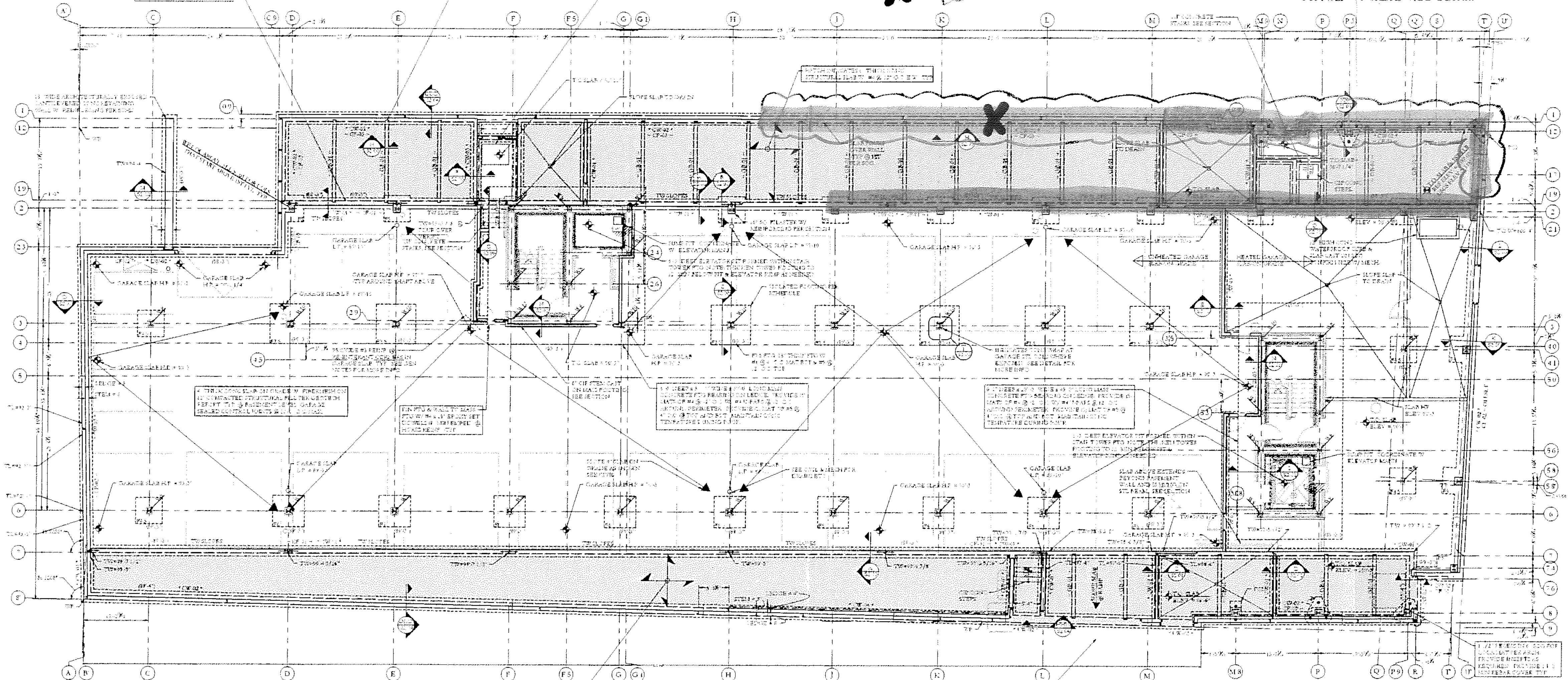
Checked by: Matthew T. Grady, Manager of MTS

1565-001
667 CONGRESS ST.
3/31/16
MES

REBAR INSPECTION AREA

X - TEST CYL LOCATION





FOUNDATION PLAN

SCALE 1/8"=1'-0"

NOTES

1. SEE SHEET S0.1 & S0.2 FOR GENERAL STRUCTURAL NOTES AND ADDITIONAL INFORMATION
2. COORDINATE ALL THRU SLAB PLUMBING & CHASES, ETC W/ ARCH AND MECHANICAL DRAWINGS, TYP
3. ALL ELEVATIONS BASED OFF REFERENCE ELEVATION [illegible]
4. COORDINATE ALL BASEMENT & GARAGE TOP OF SLAB [illegible]
5. TOP OF FOOTING INDICATED AS [illegible]
6. TOP OF SLAB INDICATED AS [illegible]
7. VERIFY TOP OF GARAGE SLAB W/ CIVIL, TYP

PILE CAP AND GRADE BEAM SCHEDULE

MARK	PLAN DETAIL SCALE 1/8"=1'-0"	NOTES
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

CONCRETE WALL SCHEDULE

MARK	SIZE	WALL REINFORCING	NOTES
[redacted]	[redacted]	[redacted]	RETAINING [illegible]
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	
[illegible]	24" WIDE x CONT	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	

NOTE:
1. ALL CONC WALLS SHALL HAVE MIN (2) #5 CONT HORIZ REINF @ TOP & BOT, TYP [illegible]
2. ADDITIONAL REINFORCING [illegible]

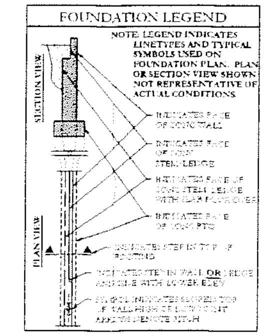
CONCRETE FOOTING SCHEDULE

MARK	SIZE	FTG REINFORCING	BEAR FTG ON
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	PILE CAP BELOW
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

APPROXIMATE TOP OF FOOTING ELEVATIONS TO BE (VERIFIED BASED ON FEILD CONDITIONS):

FOUNDATION LEGEND

NOTE: LEGEND INDICATES LINETYPES AND TYPICAL SYMBOLS USED ON FOUNDATION PLAN. PLAN OR SECTION VIEW SHOWN NOT REPRESENTATIVE OF ACTUAL CONDITIONS.



Structural Integrity
77 Oak Street
Portland, ME 04101
BUILD WITH CONFIDENCE
SI 15-0038

STATE OF MAINE
AARON C. JONES
No. 10958
LICENSED PROFESSIONAL ENGINEER

667 CONGRESS STREET

APARTMENTS
PORTLAND, MAINE

RSA
RYAN SENATORE ARCHITECTURE

CONSULTANTS
STRUCTURAL

REVISIONS:
1. 1/5/16

DATE: 2 NOVEMBER 2015
PROJECT No.: 1503
DRAWN BY: MKL
CHECKED BY: ACJ
SCALE: AS NOTED

SHEET TITLE
FOUNDATION PLAN

S1.00

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

LETTER OF TRANSMITTAL

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

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82395	28
82396	28

Remarks:

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

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

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

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Friday, April 01, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4000 psi
Weather Conditions:	Overcast	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MasterAir AE200, MasterGlenium 7500

Placement Location:
Foundation Footing K-J/7 to F/7 and Foundation Wall T/7.4 to R/7.4 to R/7 to M-L/7

Test Cylinder Location:
Wall - P/7

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

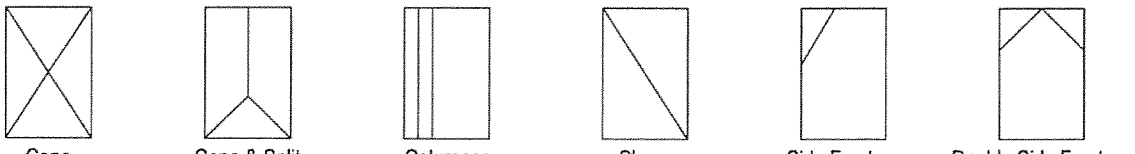
Date Report Issued:

Load Number:	2 of 3	Number of 4x8 Cylinders:		5
Ticket Number:	293797	Cast By:		Mary E. Sanders
Truck Number:	84	Slump:	ASTM C 143	5.25 in.
Cubic Yards:	7	Air Temperature:		58 °F
Total Yardage:	24	Concrete Temperature:		76 °F
Total Time (minutes):	103	Air Content:	ASTM C 231	4.9 %

Specimen Storage ASTM C 31
Field Cure Days: 3
Date Received: 4/4/2016
Condition of Cylinders: Good
Curing Temperatures: 65 °F to 79 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82393	4/8/2016	4.02	12.70	7	44705	3520	3
82394	4/15/2016	4.02	12.68	14	49860	3930	4
82395	4/29/2016	4.00	12.57	28	55070	4380	3
82396	4/29/2016	4.00	12.57	28	58055	4620	3
82397	HOLD			H			



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

1565-001
667 CONGRESS ST.
4/1/16
MES

X- TEST CYL. LOCATION.

CONCRETE PLACEMENT LOCATION

INCLUDE CAST IN PLACE CONCRETE WRAP DETAIL

DETAIL 3/4"=1'-0"

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	REINFORCING	NOTES

APPROXIMATE TOP OF FOOTING ELEVATIONS TO BE VERIFIED BASED ON FIELD CONDITIONS

FOUNDATION LEGEND

NOTE: LEGEND INDICATES LINETYPES AND TYPICAL SYMBOLS USED ON FOUNDATION PLAN. PLAN OR SECTION VIEW SHOWN MAY NOT REPRESENTATIVE OF ACTUAL CONDITIONS

SECTION VIEW

PLAN VIEW

INDICATES PLAN OF FOOTING

INDICATES TOP OF STEM

INDICATES PLAN OF STEM

INDICATES TOP OF SLAB

INDICATES PLAN OF SLAB

INDICATES VERTICAL OR SLOPED REINFORCING

INDICATES HORIZONTAL REINFORCING

Structural Integrity

BUILDING CONFIDENCE

STATE OF MAINE
MARK S. ELLIS
No. 13944
REGISTERED
PROFESSIONAL ENGINEER
OCT 19

667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
RYAN SENATORE ARCHITECTURE
49 FOREST AVENUE, #101
PORTLAND, MAINE 04101
207.772.2846

CONSULTANTS

REVISIONS	1, 10/5/15
DATE	2 NOVEMBER 2015
PROJECT No.	1522
DRAWN BY	VAL
CHECKED BY	SC
SCALE	AS NOTED

SHEET TITLE
FOUNDATION PLAN

S1.00

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

LETTER OF TRANSMITTAL

Date:	Project No.:
May 11, 2016	1565-001
Attention: Blaine Buck (bbuck@cordjiacpg.com)	
Re: Concrete Testing 667 Congress Street Apartments Project Portland, ME 04101	

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82453	29
82454	29

Remarks:

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

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Wednesday, April 06, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3000 psi
Weather Conditions:	Overcast	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Rear	**Admixtures:**	Master Air AE200, Master Glenium 7500

Placement Location:

Foundation Footing F/7 to C/7

Test Cylinder Location:

D/7

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:	291948	Cast By:		Mary E. Sanders
Truck Number:	150	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	6	Air Temperature:		41 °F
Total Yardage:	6	Concrete Temperature:		62 °F
Total Time (minutes):	57	Air Content:	ASTM C 231	6.2 %

Specimen Storage ASTM C 31

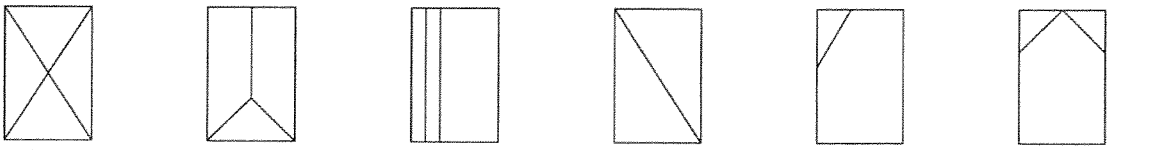
Field Cure Days: 1

Date Received: 4/7/2016

Condition of Cylinders: Good

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82452	4/13/2016	4.01	12.60	7	46395	3680	2
82453	5/5/2016	4.01	12.62	29	58145	4610	1
82454	5/5/2016	4.01	12.62	29	57055	4520	5
82455	HOLD			H			



Remarks:

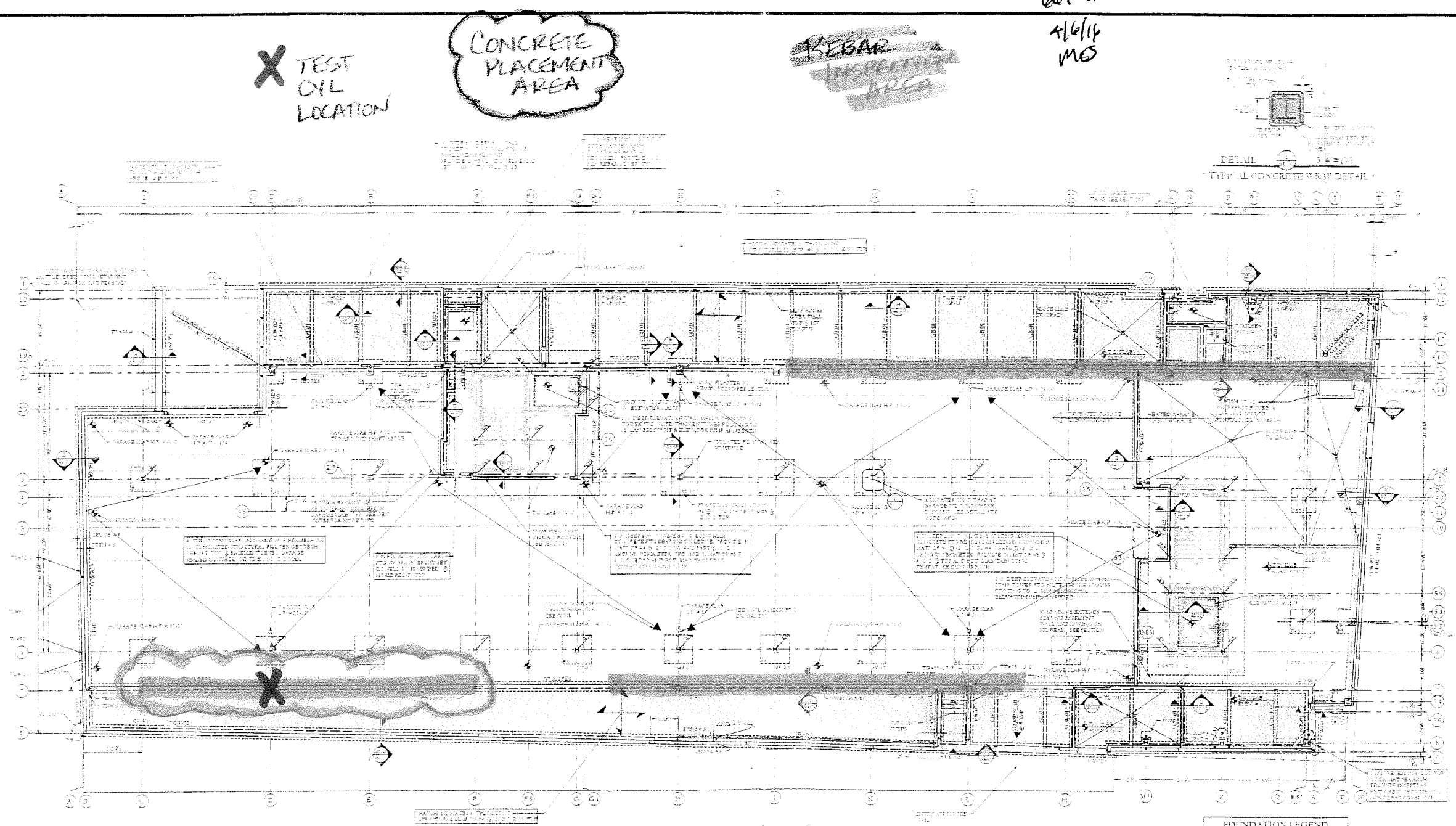
Checked by: Matthew T. Grady, Manager of MTS

1565-001
667 CONGRESS ST.
4/6/16
MG

X TEST OIL LOCATION

CONCRETE PLACEMENT AREA

REGAR INSPECTION AREA



DETAIL — TYPICAL CONCRETE WRAP DETAIL

FOUNDATION PLAN

PILE CAP AND GRADE BEAM SCHEDULE

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

CONCRETE WALL SCHEDULE

MARK	NOTE	WALL REINFORCING	NOTES

CONCRETE FOOTING SCHEDULE

MARK	NOTE	FTG REINFORCING	BEARING

FOUNDATION LEGEND

NOTE: LEGEND INDICATES LINETYPES AND TYPICAL SYMBOLS USED ON FOUNDATION PLAN. PLAN OR SECTION VIEW SHOWN MAY NOT REPRESENTATIVE OF ACTUAL CONDITIONS.

Structural Integrity

667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
RYAN SENATORE ARCHITECTURE

CONSULTANTS

REVISIONS

DATE NOVEMBER 2015
PROJECT No. 1565
DRAWN BY MKL
CHECKED BY MCL
SCALE AS NOTED

SHEET TITLE
FOUNDATION PLAN

S1.00

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

LETTER OF TRANSMITTAL

Date:	Project No.:
May 11, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82457	28
82458	28

Remarks:

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

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, April 07, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4000 psi
Weather Conditions:	Overcast	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	Master Air AE200, Master Glenium 7500

Placement Location:

Foundation Wall M-L/7 to G-H/7 & Footing J/2 to G/2

Test Cylinder Location:

Wall K/7

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:	291955	Cast By:		Mary E. Sanders
Truck Number:	142	Slump:	ASTM C 143	7.25 in.
Cubic Yards:	10	Air Temperature:		48 °F
Total Yardage:	30.5	Concrete Temperature:		52 °F
Total Time (minutes):	79	Air Content:	ASTM C 231	6.6 %

Specimen Storage ASTM C 31

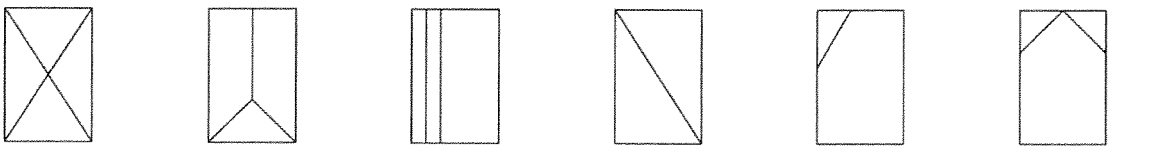
Field Cure Days: 1

Date Received: 4/8/2016

Condition of Cylinders: Good

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82456	4/14/2016	4.01	12.65	7	48725	3850	2
82457	5/5/2016	4.01	12.62	28	58645	4650	5
82458	5/5/2016	4.01	12.62	28	58430	4630	4
82459	HOLD			H			



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

X TEST CYL LOCATION

REBAR INSPECTION AREA

CONCRETE PLACEMENT AREA

DETAIL 1 (S1.00) 3/4"=1'-0
TYPICAL CONCRETE WRAP DETAIL

FOUNDATION PLAN

PILE CAP AND GRADE BEAM SCHEDULE

MARK	PLAN DETAIL SCALE 1/3"=1'-0"	NOTES

CONCRETE WALL SCHEDULE

MARK	SIZE	WALL REINFORCING	NOTES

CONCRETE FOOTING SCHEDULE

MARK	SIZE	FTG REINFORCING	BEARING ON

APPROXIMATE TOP OF FOOTING ELEVATIONS TO BE VERIFIED BASED ON FIELD CONDITIONS)

FOUNDATION LEGEND

NOTE: LEGEND INDICATES LINESTYPES AND TYPICAL SYMBOLS USED ON FOUNDATION PLAN. PLAN OR SECTION VIEW SHOWN NOT REPRESENTATIVE OF ACTUAL CONDITIONS.

SECTION

PLAN

Structural Integrity

667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
RYAN SENATORE ARCHITECTURE

CONSULTANTS

REVISIONS
1. 1/5/16

DATE 3 NOVEMBER 2015
PROJECT No. 1553
DRAWN BY MRL
CHECKED BY RCS
SCALE AS NOTED

SHEET TITLE
FOUNDATION PLAN

S1.00

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

LETTER OF TRANSMITTAL

Date:	Project No.:
May 11, 2016	1565-001
Attention: Blaine Buck (bbuck@cordjiacpg.com)	
Re: Concrete Testing 667 Congress Street Apartments Project Portland, ME 04101	

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82485	28
82486	28

Remarks:

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

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Friday, April 08, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4000 psi
Weather Conditions:	sun/cloud/wind	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MasterAir AE200, Master Glenium 7500

Placement Location:

Foundation Wall T/2 to K-J/2

Test Cylinder Location:

K-L/2

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:	291983	Cast By:		Mary E. Sanders
Truck Number:	144	Slump:	ASTM C 143	6.50 in.
Cubic Yards:	10	Air Temperature:		52 °F
Total Yardage:	45	Concrete Temperature:		55 °F
Total Time (minutes):	77	Air Content:	ASTM C 231	5.5 %

Specimen Storage ASTM C 31

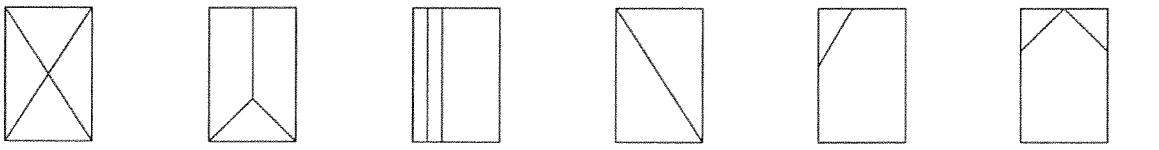
Field Cure Days: 1

Date Received: 4/9/2016

Condition of Cylinders: Good

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82484	4/15/2016	4.02	12.68	7	51120	4030	5
82485	5/6/2016	4.00	12.57	28	69570	5530	3
82486	5/6/2016	4.00	12.57	28	65635	5220	3
82487	HOLD			H			



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

B65-001
667 CONGRESS ST.
4/8/16
MES

REPAIR INSPECTION

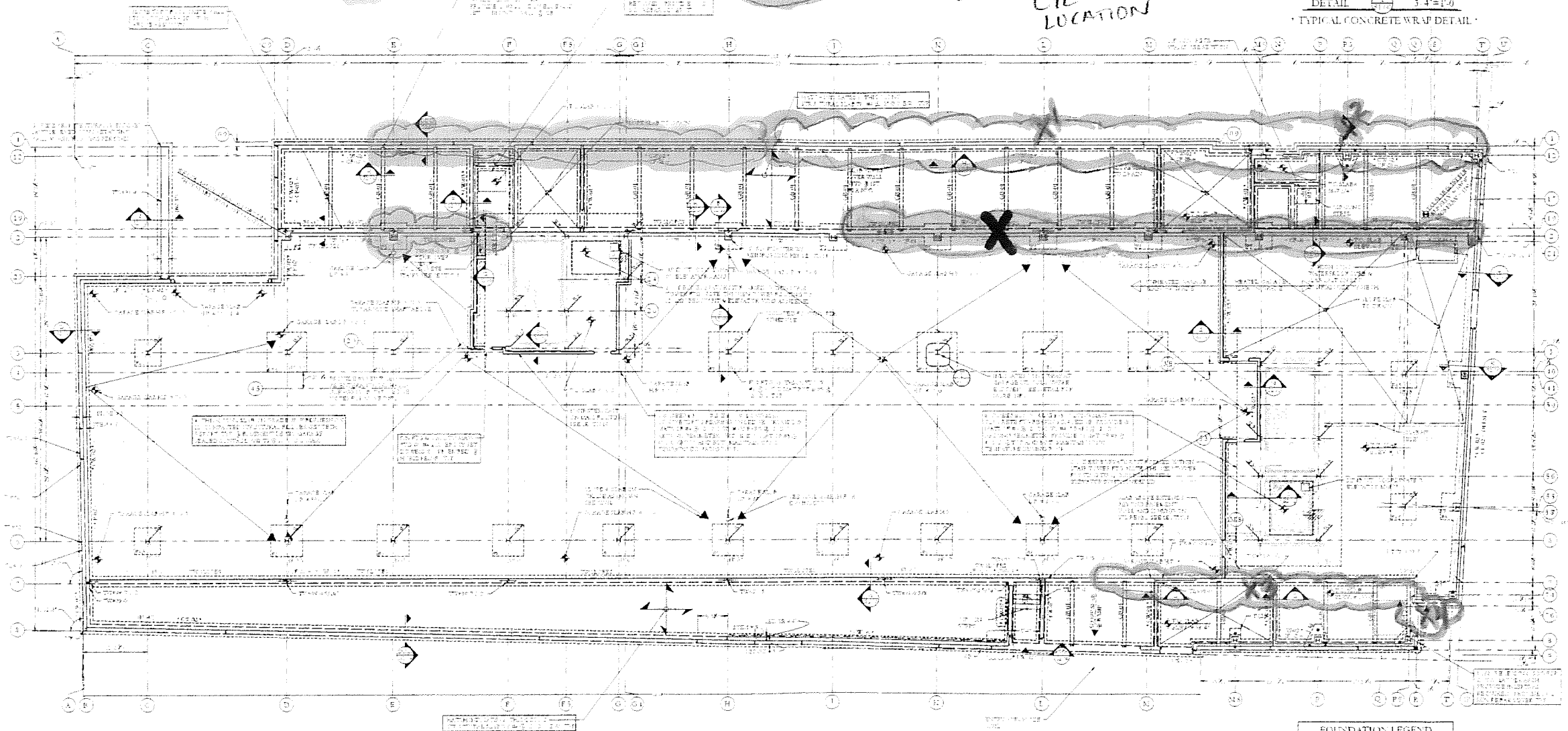
CONCRETE PLACEMENT AREA

DENSITY AREA

EXTERIOR WALLS

X - TEST CYL LOCATION

DETAIL 3 3/4"=1'-0
TYPICAL CONCRETE WRAP DETAIL



FOUNDATION PLAN

PILE CAP AND GRADE BEAM SCHEDULE

MARK	PLAN DETAIL	SCALE 1 1/2"=1'-0"	NOTES

CONCRETE WALL SCHEDULE

MARK	SIZE	REINFORCEMENT	NOTES

CONCRETE FOOTING SCHEDULE

MARK	SIZE	REINFORCING	REMARKS

APPROXIMATE TOP OF FOOTING ELEVATIONS TO BE VERIFIED BASED ON FIELD CONDITIONS

FOUNDATION LEGEND

NOTE: LEGEND INDICATES LIKELY TYPES AND TYPICAL SYMBOLS USED ON FOUNDATION PLAN. PLAN OR SECTION VIEW SHOWN MAY NOT REPRESENT TYPE OF ACTUAL CONDITIONS

SLAB ON GRADE

FOOTING

Structural Integrity

1

667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
RYAN SENATORE ARCHITECTURE

CONSULTANTS
STRUCTURAL

REVISIONS
1 1/15/16

DATE 2 NOVEMBER 2015
PROJECT No. 1505
DRAWN BY MMJ
CHECKED BY ACT
SCALE AS NOTED

SHEET TITLE
FOUNDATION PLAN

S1.00

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

LETTER OF TRANSMITTAL

Date:	Project No.:
May 11, 2016	1565-001
Attention: Blaine Buck (bbuck@cordjiacpg.com)	
Re: Concrete Testing 667 Congress Street Apartments Project Portland, ME 04101	

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82473	28
82474	28

Remarks:

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

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Saturday, April 09, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3000 psi
Weather Conditions:	Clear and Cold	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Direct Discharge	**Admixtures:**	Master Air AE 200, Glenium 7500

Placement Location:

Footing line 1/D to H.5, 2/D to E.5

Test Cylinder Location:

Footing D2

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:	292033	Cast By:		Matt T. Grady
Truck Number:	157	Slump:	ASTM C 143	7.00 in.
Cubic Yards:	8	Air Temperature:		37 °F
Total Yardage:	10	Concrete Temperature:		64 °F
Total Time (minutes):	72	Air Content:	ASTM C 231	7.2 %

Specimen Storage ASTM C 31

Field Cure Days: 2

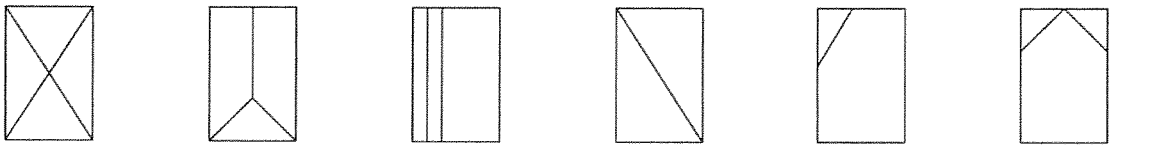
Date Received: 4/11/2016

Condition of Cylinders: Good

Curing Temperatures: 57 °F to 73 °F

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

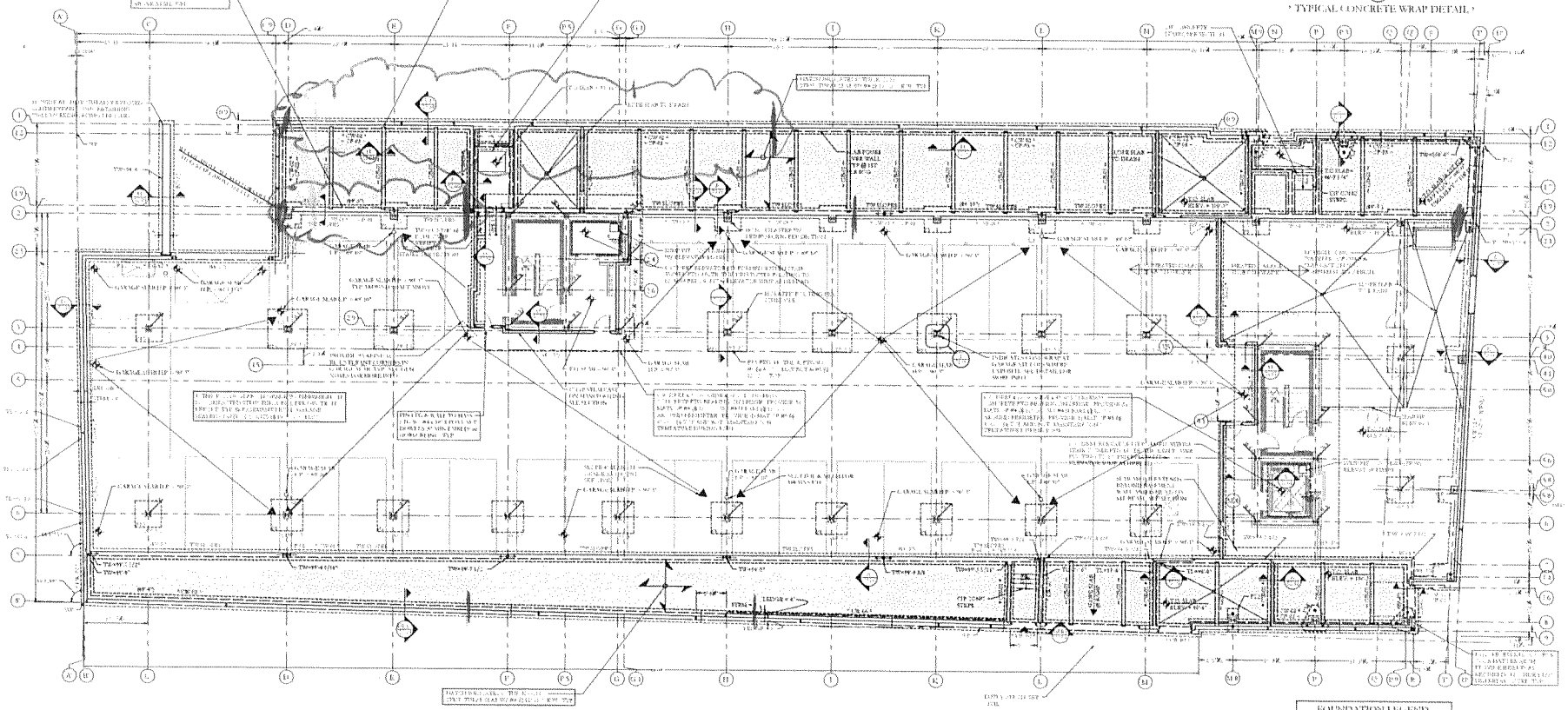
Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82472	4/16/2016	4.00	12.58	7	43440	3450	2
82473	5/7/2016	4.02	12.71	28	46335	3650	4
82474	5/7/2016	4.02	12.71	28	49280	3880	4
82475	HOLD			H			



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

FOOTINGS



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

FOUNDATION PLAN

PILE CAP AND GRADE BEAM SCHEDULE

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

CONCRETE WALL SCHEDULE

MARK	TYPE	WALL REINFORCING

FOUNDATION LEGEND

NOTE: LEGEND INDICATES LINE TYPES AND TYPICAL SYMBOLS USED IN FOUNDATION PLAN. PLAN OR SECTION VIEWS SHOWN MAY NOT REPRESENT EXISTING ACTUAL CONDITIONS

Project: 667 Congress Street
Project No.: 1565-001
Date: 4/9/16
Technologist: MTC

Structural Integrity

667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
RYAN SENATORE ARCHITECTURE

CONSULTANTS

REVISIONS

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

SHEET TITLE
FOUNDATION PLAN

S1.00

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

LETTER OF TRANSMITTAL

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

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82524	28
82525	28

Remarks:

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

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Wednesday, April 13, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4000 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	Master Aier AE200, Master Glenium 7500

Placement Location:

Foundation Walls H-G/7 to C/7 & K-J/2 to F-E/2

Test Cylinder Location:

E-F/7

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:	292104	Cast By:		Mary E. Sanders
Truck Number:	138	Slump:	ASTM C 143	5.75 in.
Cubic Yards:	9	Air Temperature:		60 °F
Total Yardage:	51	Concrete Temperature:		73 °F
Total Time (minutes):	76	Air Content:	ASTM C 231	4.5 %

Specimen Storage ASTM C 31

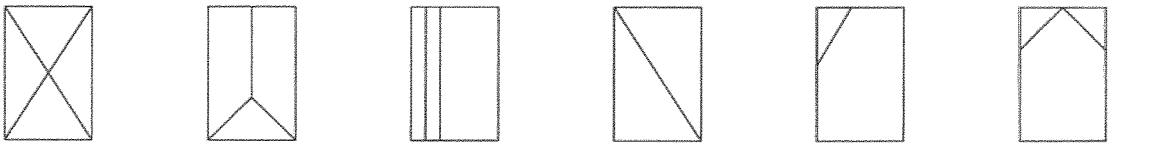
Field Cure Days: 1

Date Received: 4/14/2016

Condition of Cylinders: Good

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

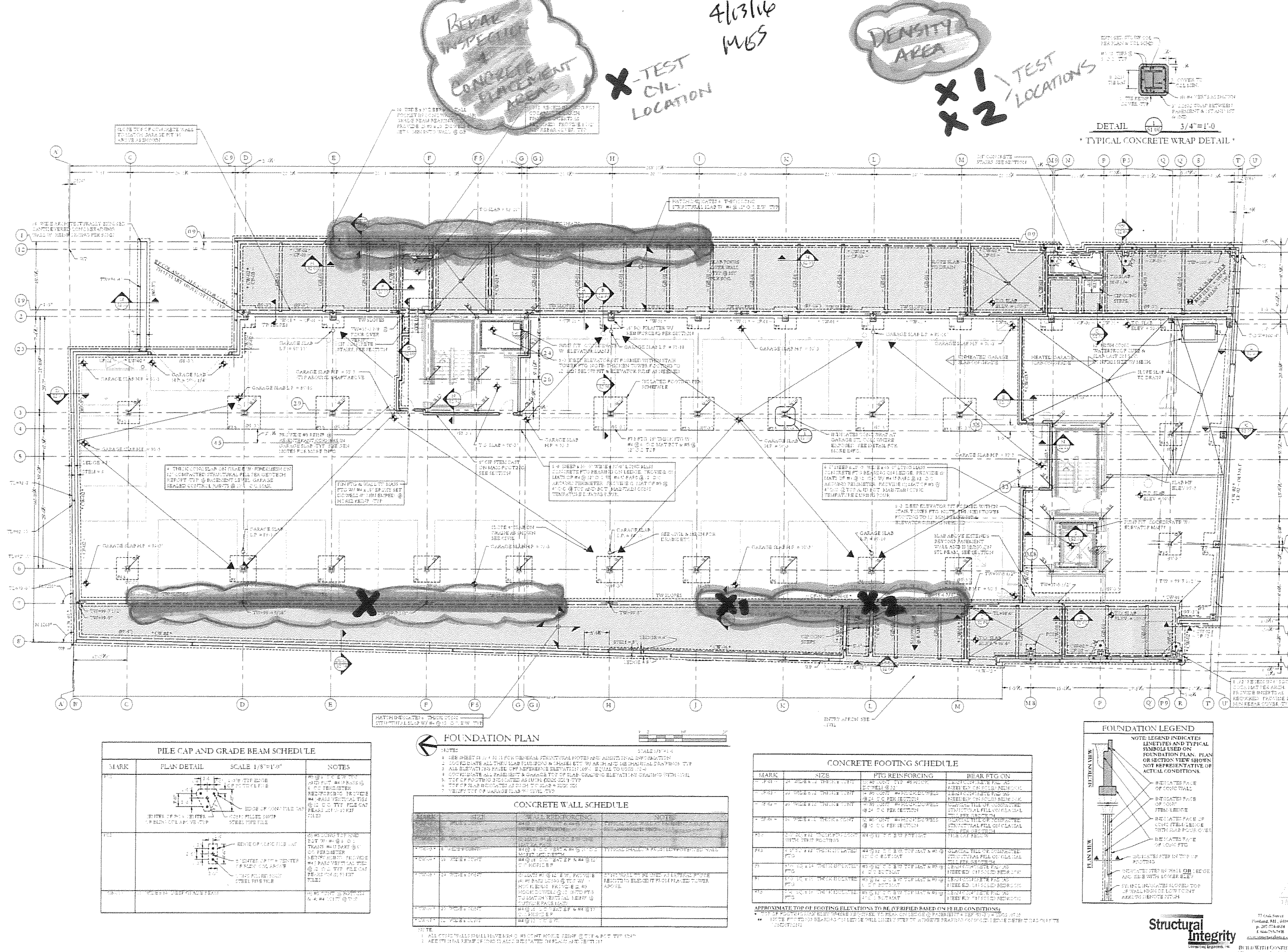
Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82523	4/20/2016	4.02	12.67	7	61365	4840	5
82524	5/11/2016	4.01	12.64	28	72065	5700	2
82525	5/11/2016	4.01	12.64	28	72980	5780	2
82526	HOLD			H			



Remarks:

Checked by: Matthew T. Grady, Manager of MTS

1565-001
667 CONGRESS ST.
4/13/16
MGS



667 CONGRESS STREET

APARTMENTS

PORTLAND, MAINE

RSA

RYAN SENATORE ARCHITECTURE

CONSULTANTS:

REVISIONS:
1. 1/5/16

DATE:	2 NOVEMBER 2015
PROJECT No.	1503
DRAWN BY:	MKL
CHECKED BY:	ACJ
SCALE	AS NOTED

SHEET TITLE

FOUNDATION PLAN

S1.00

STATE OF MAINE
AARON C. JONES
No. 10966
LICENSED PROFESSIONAL ENGINEER

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

LETTER OF TRANSMITTAL

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

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82520	28
82521	28

Remarks:

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

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, April 14, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3000 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Rear Discharge	**Admixtures:**	Master Aier AE200, Master Glenium 7500

Placement Location:

Foundation Footing R/7.6 to R/8 to M.8/8

Test Cylinder Location:

P-Q/8

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	1 of 3	Number of 4x8 Cylinders:		4
Ticket Number:	292146	Cast By:		Mary E. Sanders
Truck Number:	158	Slump:	ASTM C 143	6.50 in.
Cubic Yards:	6	Air Temperature:		41 °F
Total Yardage:	14	Concrete Temperature:		52 °F
Total Time (minutes):	48	Air Content:	ASTM C 231	7.5 %

Specimen Storage ASTM C 31

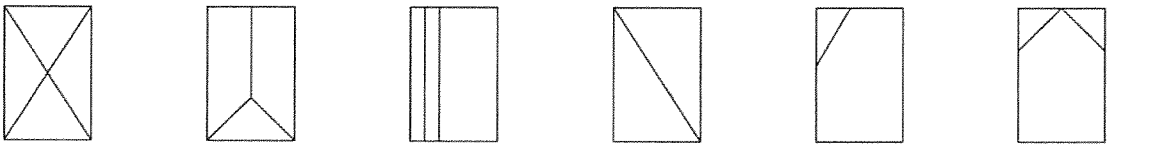
Field Cure Days: 1

Date Received: 4/15/2016

Condition of Cylinders: Good

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82519	4/21/2016	4.02	12.72	7	36950	2910	4
82520	5/12/2016	4.00	12.59	28	45735	3630	5
82521	5/12/2016	4.00	12.59	28	45770	3630	6
82522	HOLD			H			



Remarks:

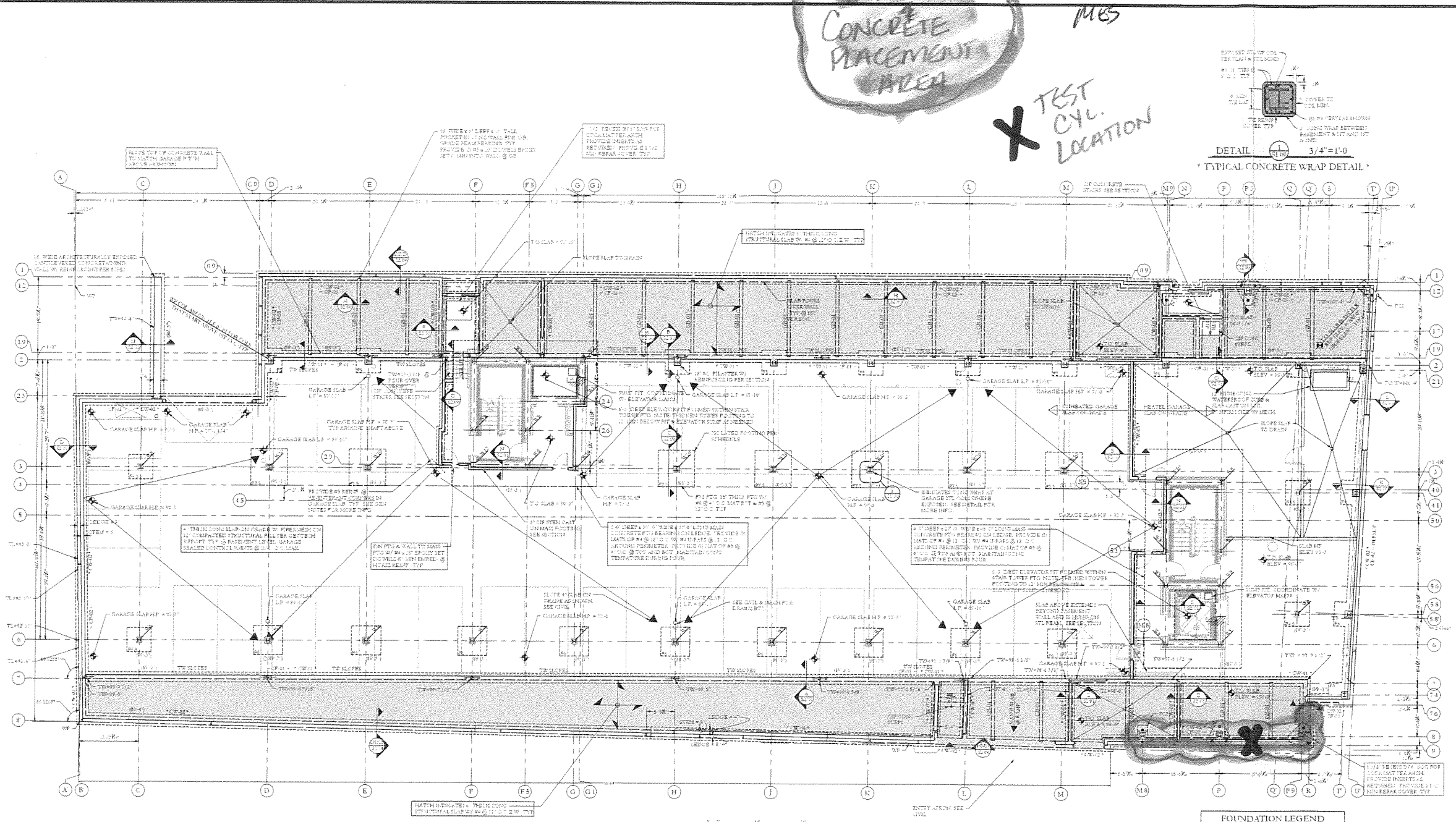
AM Poor

Checked by: Erik J. Wiberg, P.E.

REBAR INSPECTION & CONCRETE PLACEMENT AREA

1505-001
667 CONGRESS ST.
4/14/16
MES

X TEST CYL. LOCATION



PILE CAP AND GRADE BEAM SCHEDULE

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

CONCRETE WALL SCHEDULE

MARK	SIZE	WALL REINFORCING	NOTES

NOTE

CONCRETE FOOTING SCHEDULE

MARK	SIZE	FTG REINFORCING	BEAR FTG ON

APPROXIMATE TOP OF FOOTING ELEVATIONS TO BE CERTIFIED BASED ON FIELD CONDITIONS

FOUNDATION LEGEND

NOTE: LEGEND INDICATES LINETYPES AND TYPICAL SYMBOLS USED ON FOUNDATION PLAN. PLAN OR SECTION VIEW SHOWN MAY NOT REPRESENTATIVE OF ACTUAL CONDITIONS.

SECTION VIEW

PLAN VIEW

INDICATES FACE OF CONCRETE

INDICATES FACE OF CONCRETE STEM ABOVE

INDICATES FACE OF CONCRETE STEM BELOW FOOTING

INDICATES FACE OF CONC. FTG.

INDICATES STEP IN TOP OF FOOTING

INDICATES WALL OR PIER OF ANY SIZE WITH DOWEL KEY

INDICATES CONTINUOUS FOOTING OF WALL FOOTING OR POINT ABOVE OR BELOW

Structural Integrity
Consulting Engineers, PA
77 Oak Street
Portland, ME 04101
p 207.774.4811
f 866.795.7436
www.structuralintegrity.com

BID SET WITH CONFIDENCE

SI 15-0038

667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
RYAN SENATORE ARCHITECTURE
100 COMMERCIAL STREET
PORTLAND, MAINE 04101
207.775.2205
www.ryansenatore.com

CONSULTANTS
STRUCTURAL
Structural Integrity
77 Oak Street
Portland, ME 04101
p 207.774.4811
f 866.795.7436
www.structuralintegrity.com

REVISIONS
1. 1/5/16

DATE: 2 NOVEMBER 2015
PROJECT No. 1503
DRAWN BY MWL
CHECKED BY ACJ
SCALE AS NOTED

SHEET TITLE
FOUNDATION PLAN

S1.00

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

LETTER OF TRANSMITTAL

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

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82548	28
82549	28

Remarks:

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

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, April 14, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3000 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	Masterair AE200, Masterglenium 7500

Placement Location:

Foundation Footing C/7 to A/7 to A/2.3

Test Cylinder Location:

Footing/A line

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:	2292184	Cast By:	Client
Truck Number:	155	Slump: ASTM C 143	- in.
Cubic Yards:	8	Air Temperature:	50 °F
Total Yardage:	8	Concrete Temperature:	- °F
Total Time (minutes):	-	Air Content: ASTM C 231	- %

Specimen Storage ASTM C 31

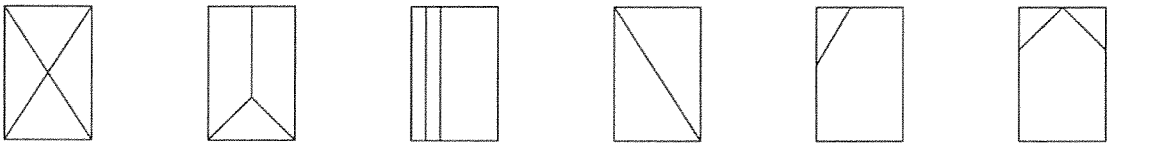
Field Cure Days: 1

Date Received: 4/15/2016

Condition of Cylinders: Good

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82547	4/21/2016	4.02	12.72	7	41010	3220	5
82548	5/12/2016	4.00	12.59	28	49310	3920	5
82549	5/12/2016	4.00	12.59	28	52380	4160	5
82550	HOLD			H			



Remarks:

PM Pour

Checked by: Erik J. Wiberg, P.E.

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

LETTER OF TRANSMITTAL

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

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82572	28
82573	28
82574	28

Remarks:

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

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, April 21, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4000 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MRWR

Placement Location:

Walls - F1-I1/A2.8-A7/A7-D7/M.88-R8/R8-R7.4

Test Cylinder Location:

D7/2ft Above Footing

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	1 of 6	Number of 4x8 Cylinders:		4
Ticket Number:	202109	Cast By:		Tony K. Ashenden
Truck Number:	118	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	10	Air Temperature:		65 °F
Total Yardage:	60	Concrete Temperature:		67 °F
Total Time (minutes):	75	Air Content:	ASTM C 231	6.0 %

Specimen Storage ASTM C 31

Field Cure Days: 1

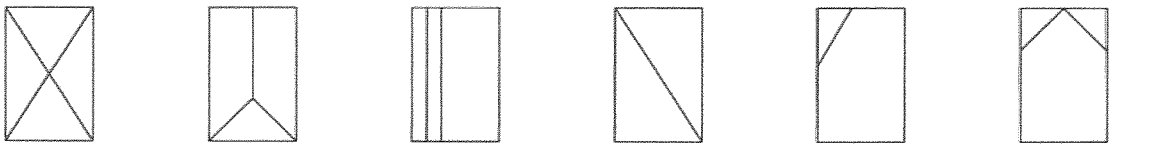
Date Received: 4/22/2016

Condition of Cylinders: Good

Curing Temperatures: 61 °F to 77 °F

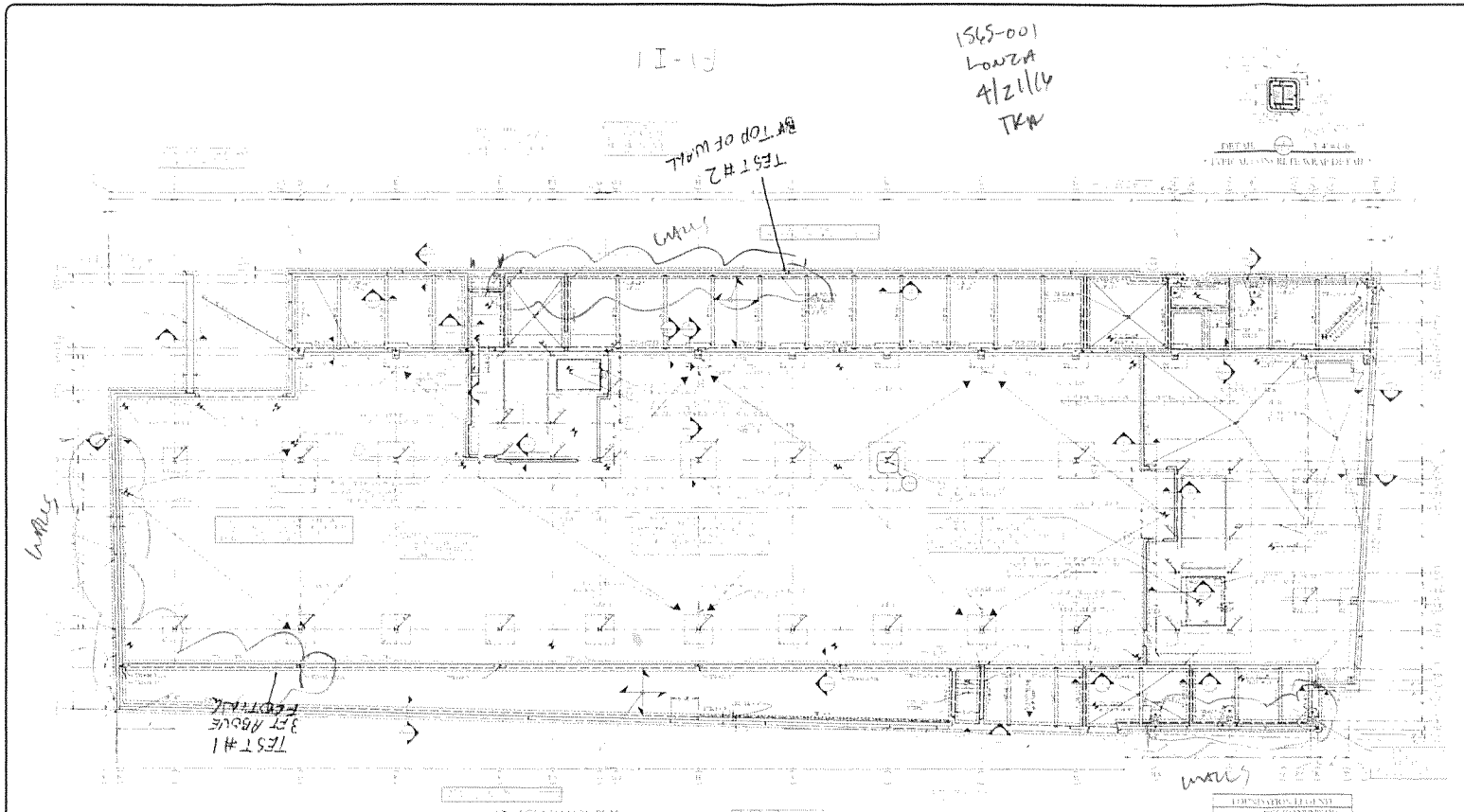
ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82571	4/28/2016	4.01	12.62	7	55345	4380	2
82572	5/19/2016	4.04	12.79	28	63070	4930	6
82573	5/19/2016	4.04	12.79	28	63890	4990	2
82574	5/19/2016	4.04	12.79	28	66165	5170	2



Remarks:

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



667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
ARCHITECTURE

FOUNDATION PLAN

S1.00

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

LETTER OF TRANSMITTAL

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

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82576	28
82577	28
82578	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@pcconstruction.com)
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William Savage (wsavage@acorn-engineering.com)
Ryan Senatore (ryan@sentorearchitecture.com)
Nick Rouleau (nrouleau@pcconstructin.com)

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, April 21, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4000 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MRWR

Placement Location:

Walls - F1-I1/A2.8-A7/A7-D7/M.88-R8/R8-R7.4

Test Cylinder Location:

I1/Top of wall

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	1 of 6	Number of 4x8 Cylinders:		4
Ticket Number:	202118	Cast By:		Tony K. Ashenden
Truck Number:	150	Slump:	ASTM C 143	7.00 in.
Cubic Yards:	10	Air Temperature:		72 °F
Total Yardage:	60	Concrete Temperature:		69 °F
Total Time (minutes):	97	Air Content:	ASTM C 231	5.0 %

Specimen Storage ASTM C 31

Field Cure Days: 1

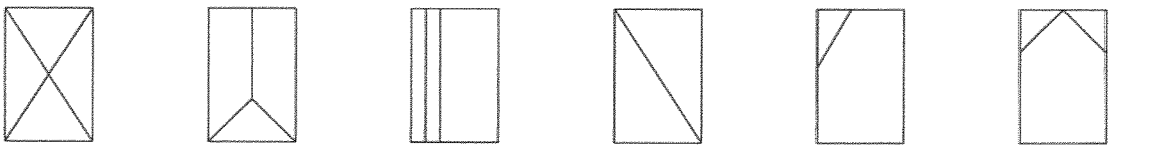
Date Received: 4/22/2016

Condition of Cylinders: Good

Curing Temperatures: 61 °F to 77 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82575	4/28/2016	4.01	12.62	7	53635	4250	2
82576	5/19/2016	4.04	12.79	28	64895	5070	3
82577	5/19/2016	4.04	12.79	28	62520	4890	3
82578	5/19/2016	4.04	12.79	28	66725	5220	2



Remarks:

Checked by: _____

For Matthew T. Grady, Manager of MTS

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

LETTER OF TRANSMITTAL

Date:	Project No.:
May 25, 2016	1565-001
Attention: Blaine Buck (bbuck@cordjiacpg.com)	
Re: Concrete Testing 667 Congress Street Apartments Project Portland, ME 04101	

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82596	28
82597	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
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Nick Rouleau (nrouleau@pcconstructin.com)

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Friday, April 22, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4000 psi
Weather Conditions:	Cloudy	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MRWR

Placement Location:

Footing Pads, E1-C.91, E2-C.92,C.91-C.92.3, C-92.3-A2.3

Test Cylinder Location:

C2.3

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:	202179	Cast By:		Tony K. Ashenden
Truck Number:	155	Slump:	ASTM C 143	8.00 in.
Cubic Yards:	6.5	Air Temperature:		64 °F
Total Yardage:	13	Concrete Temperature:		66 °F
Total Time (minutes):	94	Air Content:	ASTM C 231	5.0 %

Specimen Storage ASTM C 31

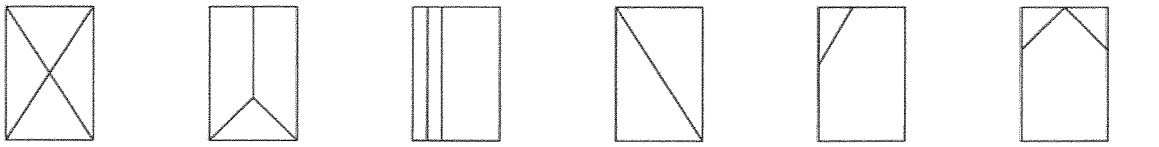
Field Cure Days: 1

Date Received: 4/23/2016

Condition of Cylinders: Good

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

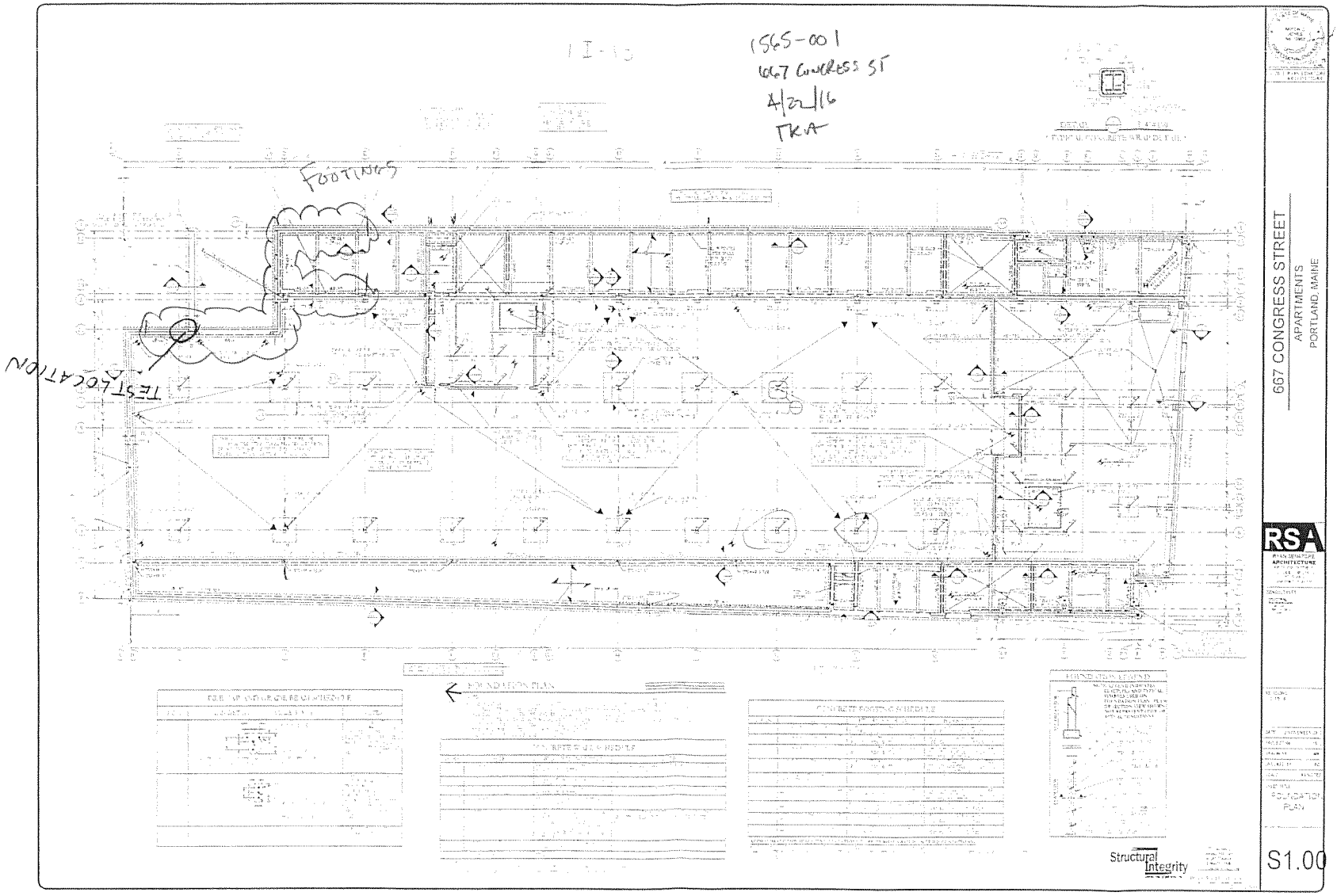
Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82595	4/29/2016	4.00	12.57	7	43295	3440	3
82596	5/20/2016	4.00	12.59	28	61170	4860	3
82597	5/20/2016	4.00	12.59	28	61195	4860	2
82598	HOLD			H			



Remarks:

Checked by: _____

For Matthew T. Grady, Manager of MTS



667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
RYAN SENATORE ARCHITECTURE

FOUNDATION PLAN

Structural Integrity

S1.00

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

LETTER OF TRANSMITTAL

Date:	Project No.:
May 26, 2016	1565-001
Attention: Blaine Buck (bbuck@cordjiacpg.com)	
Re: Concrete Testing 667 Congress Street Apartments Project Portland, ME 04101	

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82600	28
82601	28

Remarks:

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

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Saturday, April 23, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4000 psi
Weather Conditions:	Rain	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MRWR

Placement Location:

Footing&Pad, H6, L6, M6, N6-N2

Test Cylinder Location:

N2-N6

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:	202192	Cast By:		Tony K. Ashenden
Truck Number:	83	Slump:	ASTM C 143	5.00 in.
Cubic Yards:	8	Air Temperature:		60 °F
Total Yardage:	15.5	Concrete Temperature:		68 °F
Total Time (minutes):	83	Air Content:	ASTM C 231	4.5 %

Specimen Storage ASTM C 31

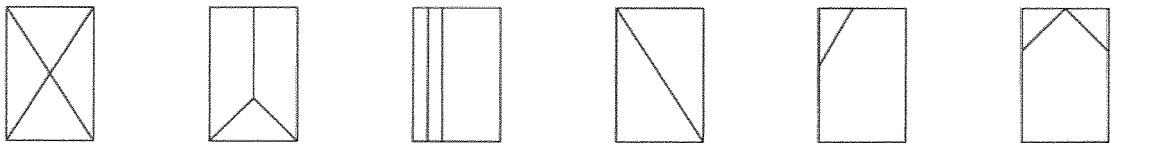
Field Cure Days: 1

Date Received: 4/24/2016

Condition of Cylinders: Good

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82599	4/30/2016	4.01	12.65	7	62520	4940	3
82600	5/21/2016	4.02	12.70	28	70370	5540	2
82601	5/21/2016	4.02	12.70	28	69900	5500	2
82602	HOLD			H			

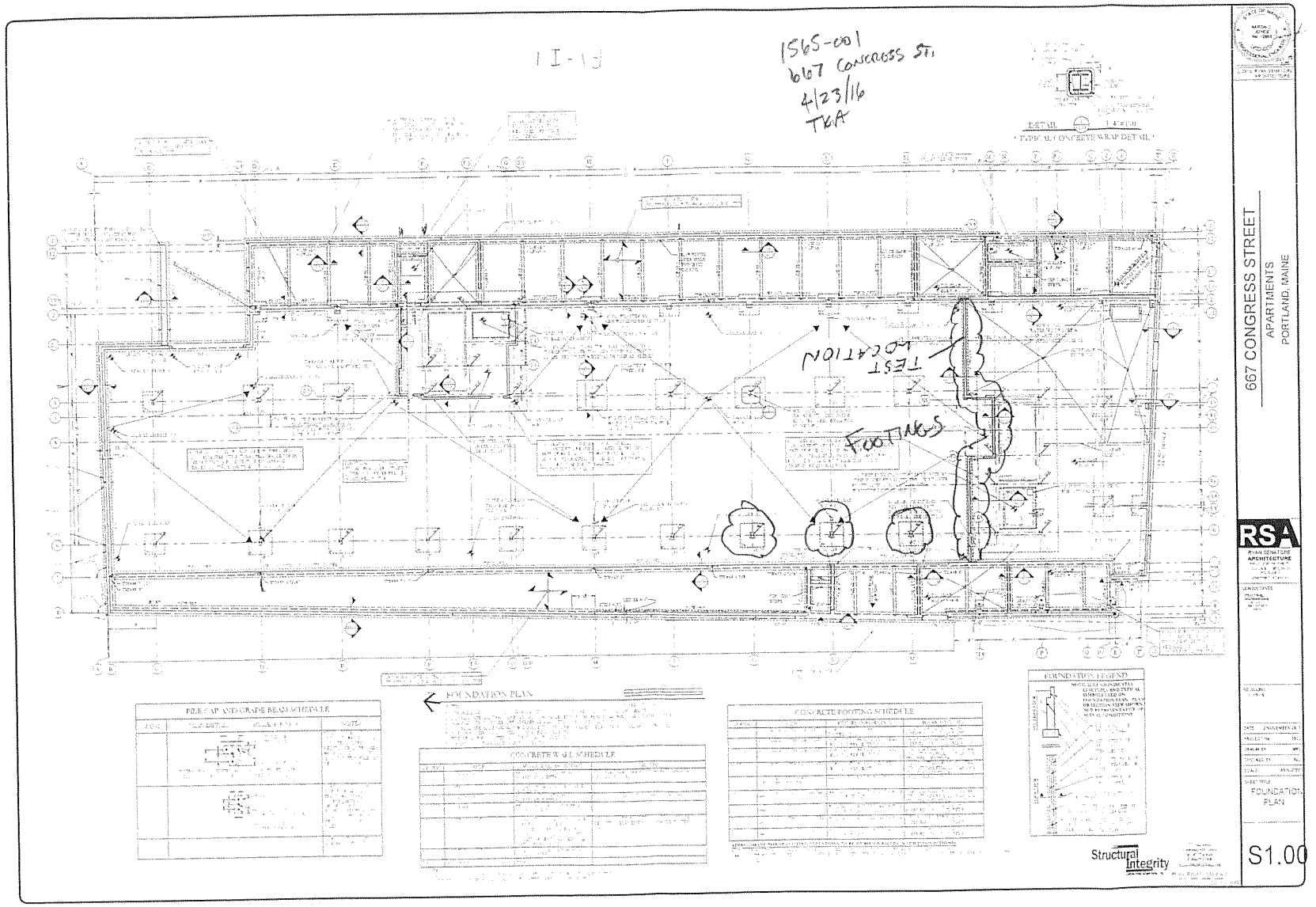


Remarks:

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

R.W. GILLESPIE & ASSOCIATES, INC

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


1565-001
667 Congress St.
4/23/16
TKA
TEST LOCATION
FOOTINGS
FOUNDATION PLAN
667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE
RSA
FOUNDATION PLAN
S1.00
Structural Integrity

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

LETTER OF TRANSMITTAL

Date:	Project No.:
June 3, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82664	28
82665	28
82668	28
82669	28

Remarks:

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

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Saturday, April 30, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4000 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MasterairAE200, Master Glenium 7500

Placement Location:

Foundation wall f/1 to c.9/1, F/2 to C.9/2 to C.9/2.3 to A/2.3

Test Cylinder Location:

C/1.2-1.9

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:	301189	Cast By:		Mary E. Sanders
Truck Number:	119	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	10	Air Temperature:		48 °F
Total Yardage:	62	Concrete Temperature:		55 °F
Total Time (minutes):	83	Air Content:	ASTM C 231	5.7 %

Specimen Storage ASTM C 31

Field Cure Days: 3

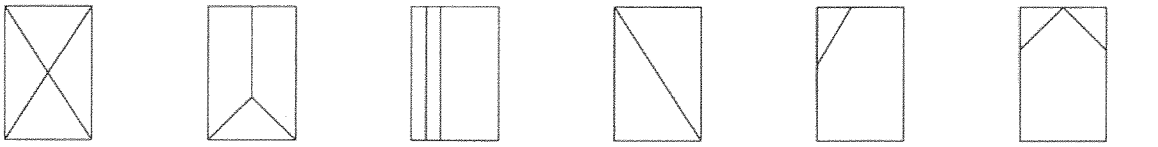
Date Received: 5/3/2016

Condition of Cylinders: Good

Curing Temperatures: 57 °F to 75 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82663	5/7/2016	4.02	12.71	7	58835	4630	5
82664	5/28/2016	4.01	12.62	28	65205	5170	2
82665	5/28/2016	4.01	12.62	28	66365	5260	5
82666	HOLD			H			



Remarks:

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Saturday, April 30, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4000 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MasterairAE200, Master Glenium 7500

Placement Location:

Foundation wall f/1 to c.9/1, F/2 to C.9/2 to C.9/2.3 to A/2.7

Test Cylinder Location:

D-E/2

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

Load Number:	6 of 6	Number of 4x8 Cylinders:		4
Ticket Number:	301197	Cast By:		Mary E. Sanders
Truck Number:	118	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	10	Air Temperature:		50 °F
Total Yardage:	62	Concrete Temperature:		61 °F
Total Time (minutes):	126	Air Content:	ASTM C 231	4.8 %

Specimen Storage ASTM C 31

Field Cure Days: 3

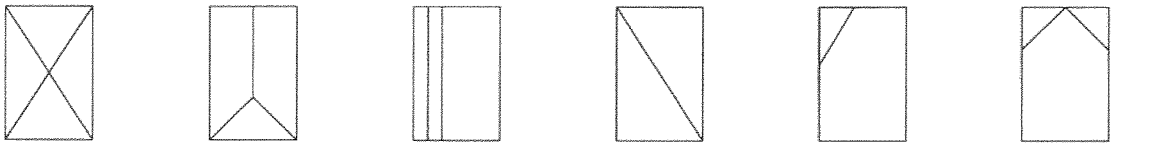
Date Received: 5/3/2016

Condition of Cylinders: Good

Curing Temperatures: 57 °F to 75 °F

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

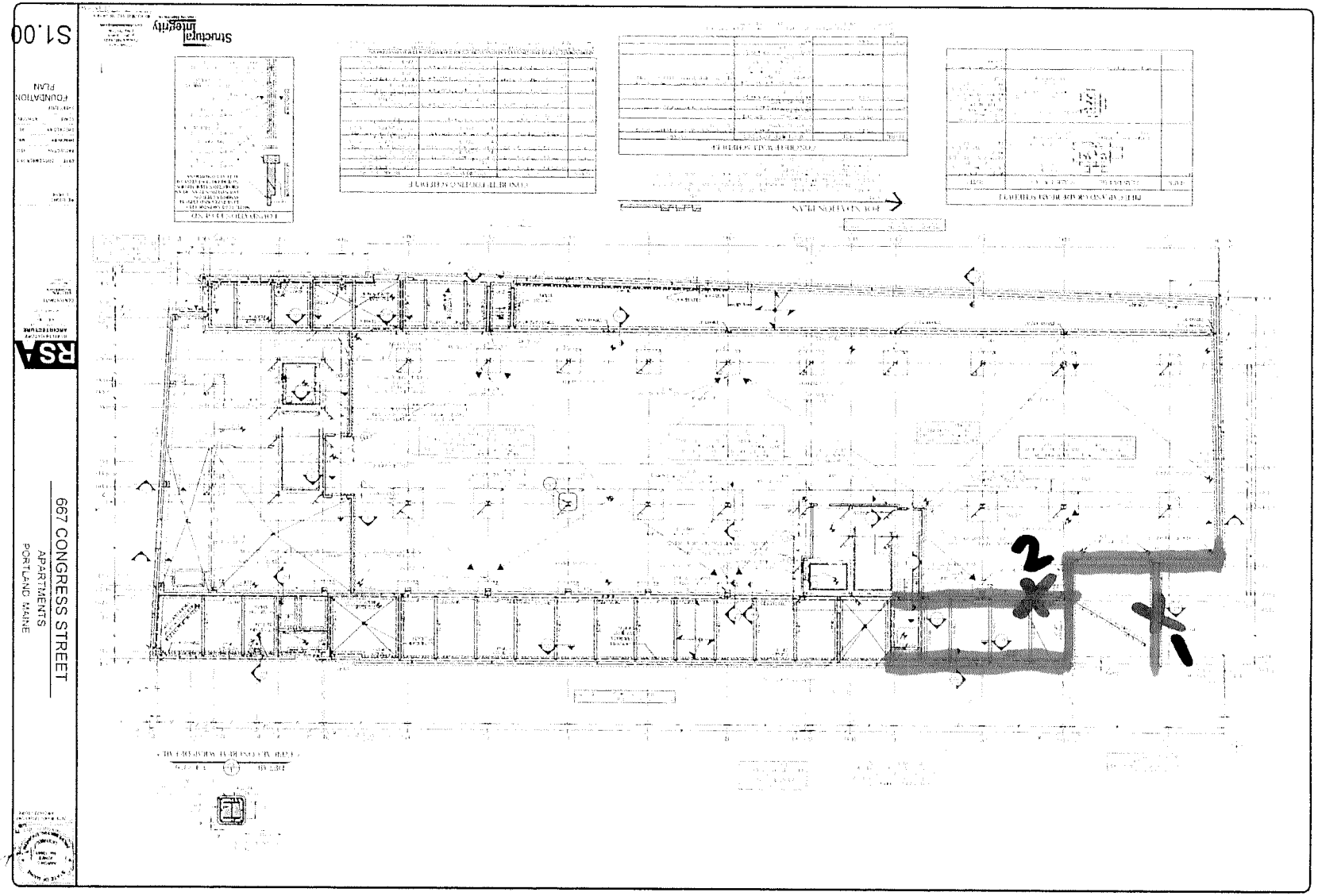
Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82667	5/7/2016	4.02	12.71	7	54960	4320	5
82668	5/28/2016	4.01	12.62	28	64190	5090	2
82669	5/28/2016	4.01	12.62	28	62710	4970	2
82670	HOLD			H			



Remarks:

Checked by: _____

For Matthew T. Grady, Manager of MTS



667 CONGRESS

15605-001

MARCH 2006

04-30-2006

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

LETTER OF TRANSMITTAL

Date:	Project No.:
June 3, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82726	28
82727	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.com)
Christopher Rodenhizer (crodenhizer@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

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Wednesday, May 04, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3000 psi
Weather Conditions:	Overcast	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Rear Discharge	**Admixtures:**	Masterair AE200, Masterglenium 7500

Placement Location:

Foundation wall G/8 to A/8 to A/7

Test Cylinder Location:

D-E/8

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:	282855	Cast By:		Mary E. Sanders
Truck Number:	144	Slump:	ASTM C 143	4.50 in.
Cubic Yards:	10	Air Temperature:		48 °F
Total Yardage:	10	Concrete Temperature:		60 °F
Total Time (minutes):	78	Air Content:	ASTM C 231	5.3 %

Specimen Storage ASTM C 31

Field Cure Days: 1

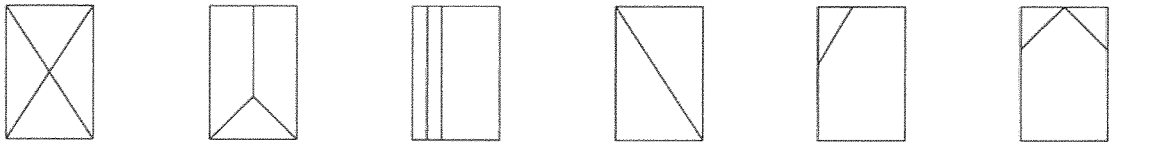
Date Received: 5/5/2016

Condition of Cylinders: Good

Curing Temperatures: 46 °F to 55 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82725	5/11/2016	4.01	12.64	7	43075	3410	3
82726	6/1/2016	4.00	12.57	28	60260	4800	3
82727	6/1/2016	4.00	12.57	28	59655	4750	2
82728	HOLD			H			



Remarks:

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

R.W. GILLESPIE & ASSOCIATES, INC

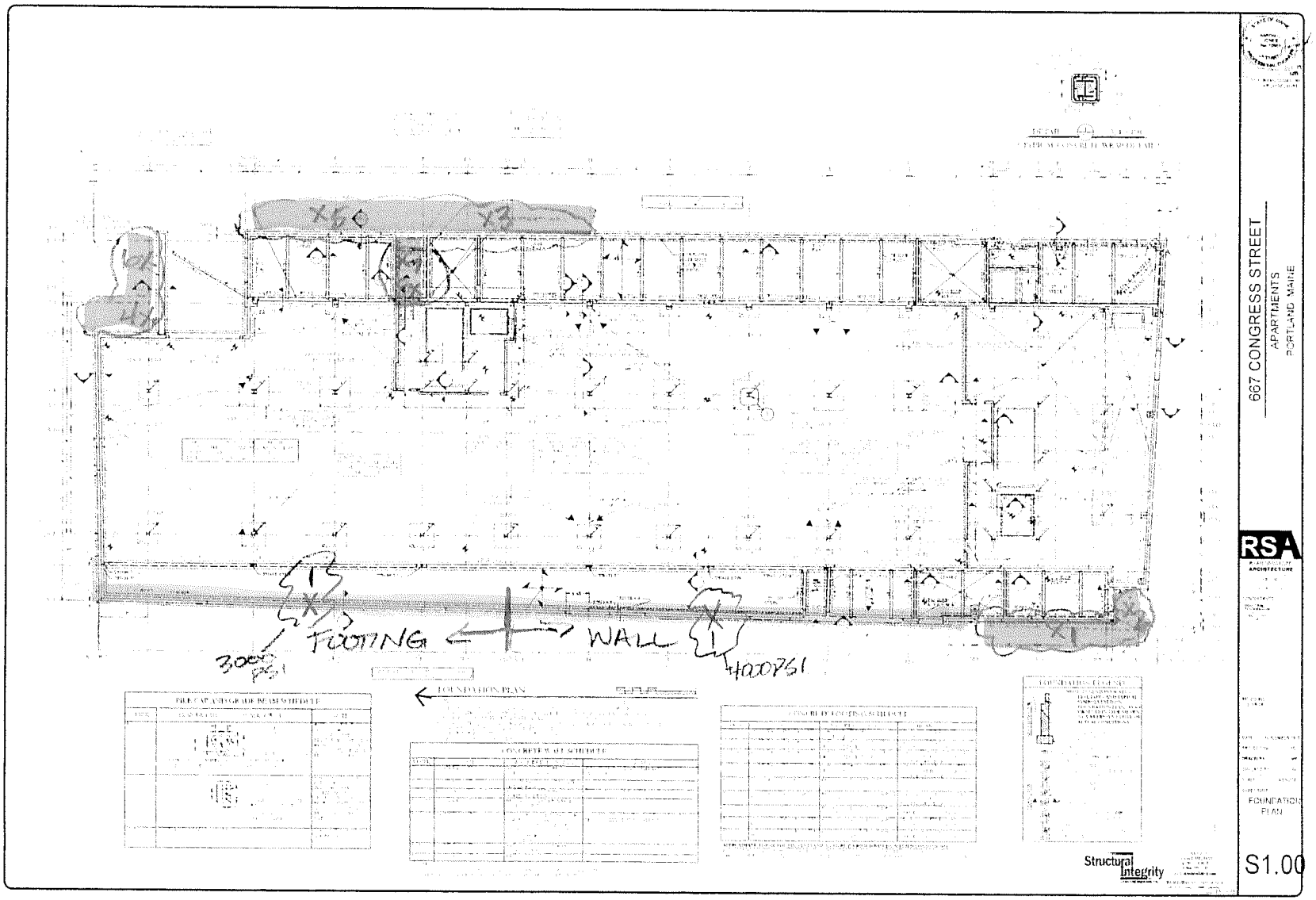
86 Industrial Park Rd., Suite 4, Saco ME 04072, 207-286-8008 / 200 International Dr., Suite 170, Portsmouth NH 03801, 603-427-0244

661 CONGRESS ST.
15165 001
MARK SANDERS
05-04-2016

KEENAN INSP & CONCRETE TESTING

DENSITY AREA

X-TEST OIL LOCATION



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

LETTER OF TRANSMITTAL

Date:	Project No.:
June 3, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82722	28
82723	28

Remarks:

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

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Wednesday, May 04, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4000 psi
Weather Conditions:	Overcast	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Rear Discharge	**Admixtures:**	Masterair AE200, Masterglenium 7500

Placement Location:

Foundation Wall M8/8 to G/8

Test Cylinder Location:

J-K/8

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:	282859	Cast By:		Mary E. Sanders
Truck Number:	99	Slump:	ASTM C 143	5.75 in.
Cubic Yards:	10	Air Temperature:		47 °F
Total Yardage:	20	Concrete Temperature:		57 °F
Total Time (minutes):	134	Air Content:	ASTM C 231	4.5 %

Specimen Storage ASTM C 31

Field Cure Days: 1

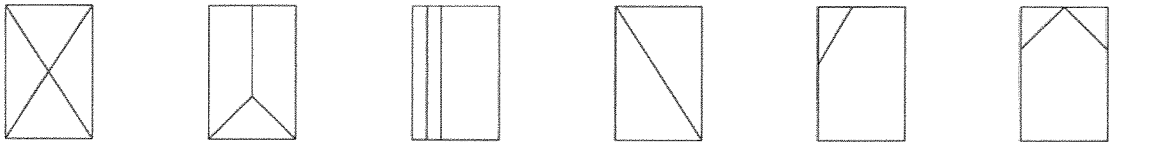
Date Received: 5/5/2016

Condition of Cylinders: Good

Curing Temperatures: 46 °F to 55 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82721	5/11/2016	4.01	12.64	7	52130	4130	2
82722	6/1/2016	4.00	12.57	28	66090	5260	2
82723	6/1/2016	4.00	12.57	28	65780	5230	3
82724	HOLD			H			



Remarks:

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

R.W. GILLESPIE & ASSOCIATES, INC

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667 CONGRESS ST.
VOL 30001
PAGE 001
MIAMI SANDERS
05-04-2016

PRIME INSP'S
CONCRETE TESTING

DRAWING INDEX

X-TEST
CYL
LOCATION

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

LETTER OF TRANSMITTAL

Date:	Project No.:
June 9, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82756	28
82757	28

Remarks:

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

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Friday, May 06, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4000 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Rear	**Admixtures:**	Masterair AE200, Masterglenium 7500

Placement Location:

Four cross wall footings from Q to M.8/7-8

Test Cylinder Location:

Cross wall P/7-8

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:	301374	Cast By:		Mary E. Sanders
Truck Number:	144	Slump:	ASTM C 143	4.50 in.
Cubic Yards:	5.5	Air Temperature:		62 °F
Total Yardage:	5.5	Concrete Temperature:		72 °F
Total Time (minutes):	79	Air Content:	ASTM C 231	5.9 %

Specimen Storage ASTM C 31

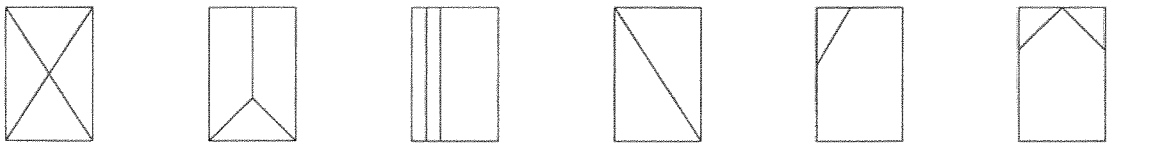
Field Cure Days: 1

Date Received: 5/7/2016

Condition of Cylinders: Good

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82755	5/13/2016	4.00	12.58	7	49355	3920	6
82756	6/3/2016	4.00	12.55	28	67575	5380	3
82757	6/3/2016	4.00	12.55	28	68375	5450	3
82758	HOLD			H			



Remarks:

Checked by: For Erik J. Wiberg, P.E.

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

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

LETTER OF TRANSMITTAL

Date:	Project No.:
June 9, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82774	28
82775	28

Remarks:

Copy to:
Kate Gerrish (kgerrish@cordjiacpg.com)
Aaron Jones (aaron@structuralinteg.com)
Matt Legere (matt@structuralinteg.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

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Monday, May 09, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4000 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	Master Air AE2000, Master Glenium 7500

Placement Location:

Foundation Walls H/8 to A/8 to A/7

Test Cylinder Location:

E-F/8

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:	301441	Cast By:		Mary E. Sanders
Truck Number:	143	Slump:	ASTM C 143	7.00 in.
Cubic Yards:	10	Air Temperature:		60 °F
Total Yardage:	40	Concrete Temperature:		64 °F
Total Time (minutes):	86	Air Content:	ASTM C 231	5.1 %

Specimen Storage ASTM C 31

Field Cure Days: 1

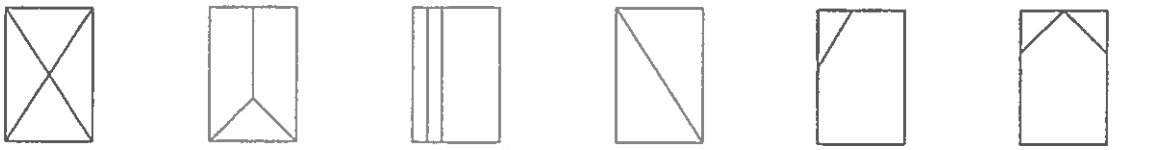
Date Received: 5/10/2016

Condition of Cylinders: Good

Curing Temperatures: 55 °F to 69 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82773	5/16/2016	4.01	12.62	7	50720	4020	2
82774	6/6/2016	4.00	12.59	28	68840	5470	5
82775	6/6/2016	4.00	12.59	28	68440	5440	5
82776	HOLD			H			

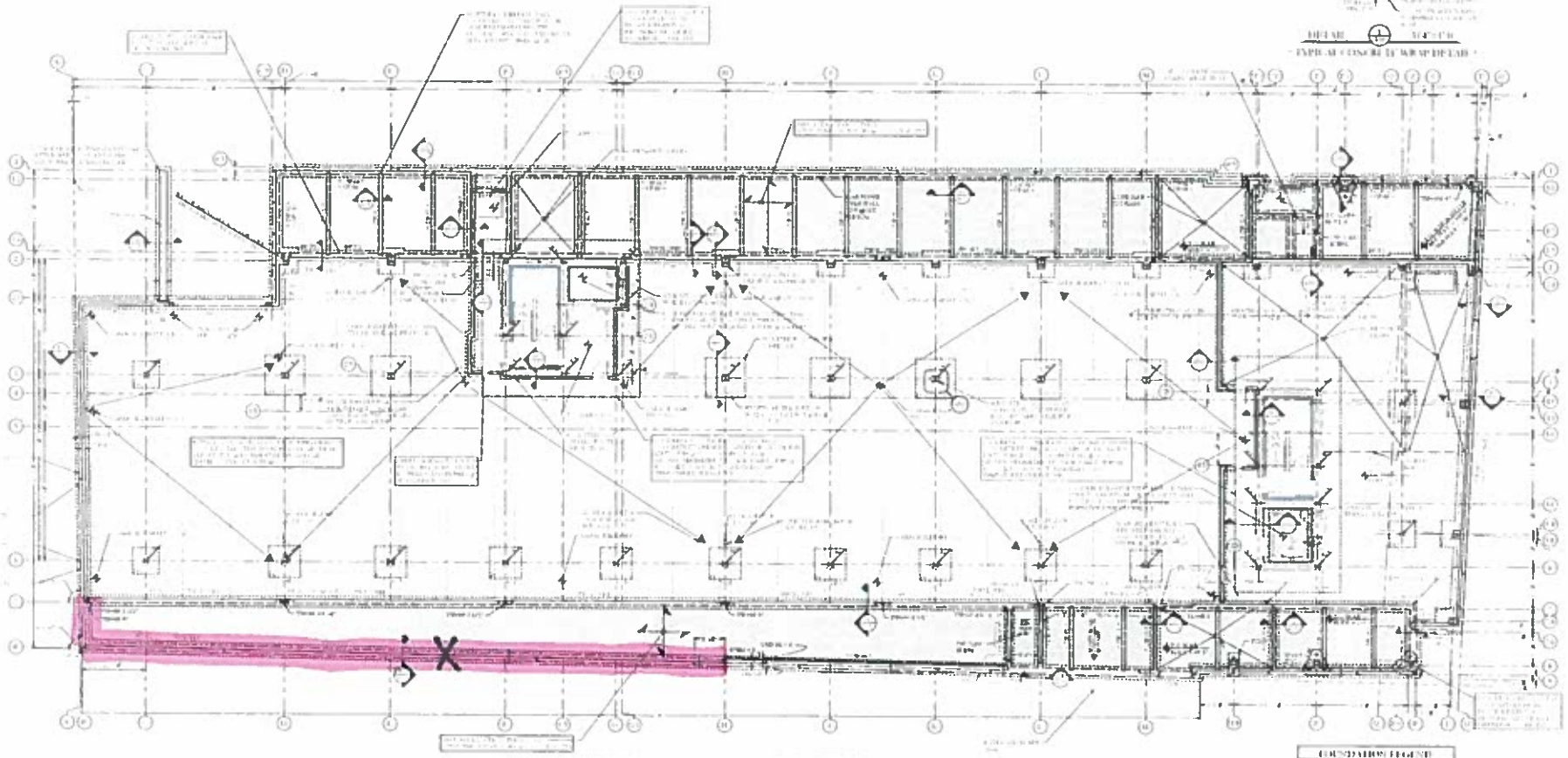


Remarks:

Checked by: for Erik J. Wiberg, P.E.

PLACEMENT AREA

X TEST CYL LOCATION



667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA

FOUNDATION PLAN

S1.00

Structural Integrity

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

LETTER OF TRANSMITTAL

Date:	Project No.:
June 10, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82792	28
82793	28

Remarks:

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

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, May 10, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3000 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	Master Air AE2000, Master Glenium 7500

Placement Location:

Foundation Footings F.5/1-2 & F/1-2 Entrance

Test Cylinder Location:

F/1-2

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:	299669	Cast By:		Mary E. Sanders
Truck Number:	155	Slump:	ASTM C 143	5.00 in.
Cubic Yards:	8.5	Air Temperature:		70 °F
Total Yardage:	8.5	Concrete Temperature:		67 °F
Total Time (minutes):	83	Air Content:	ASTM C 231	5.4 %

Specimen Storage ASTM C 31

Field Cure Days: 1

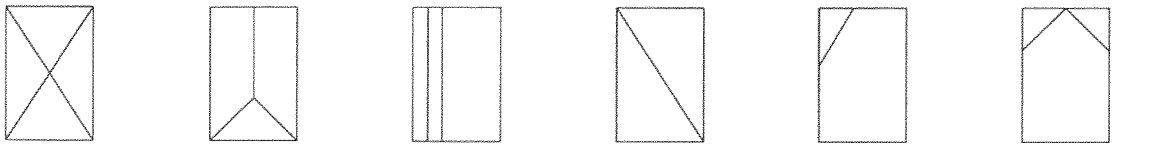
Date Received: 5/11/2016

Condition of Cylinders: Good

Curing Temperatures: 68 °F to 83 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82791	5/17/2016	4.01	12.64	7	37920	3000	5
82792	6/7/2016	4.00	12.54	28	52630	4200	3
82793	6/7/2016	4.00	12.54	28	51500	4110	3
82794	HOLD			H			



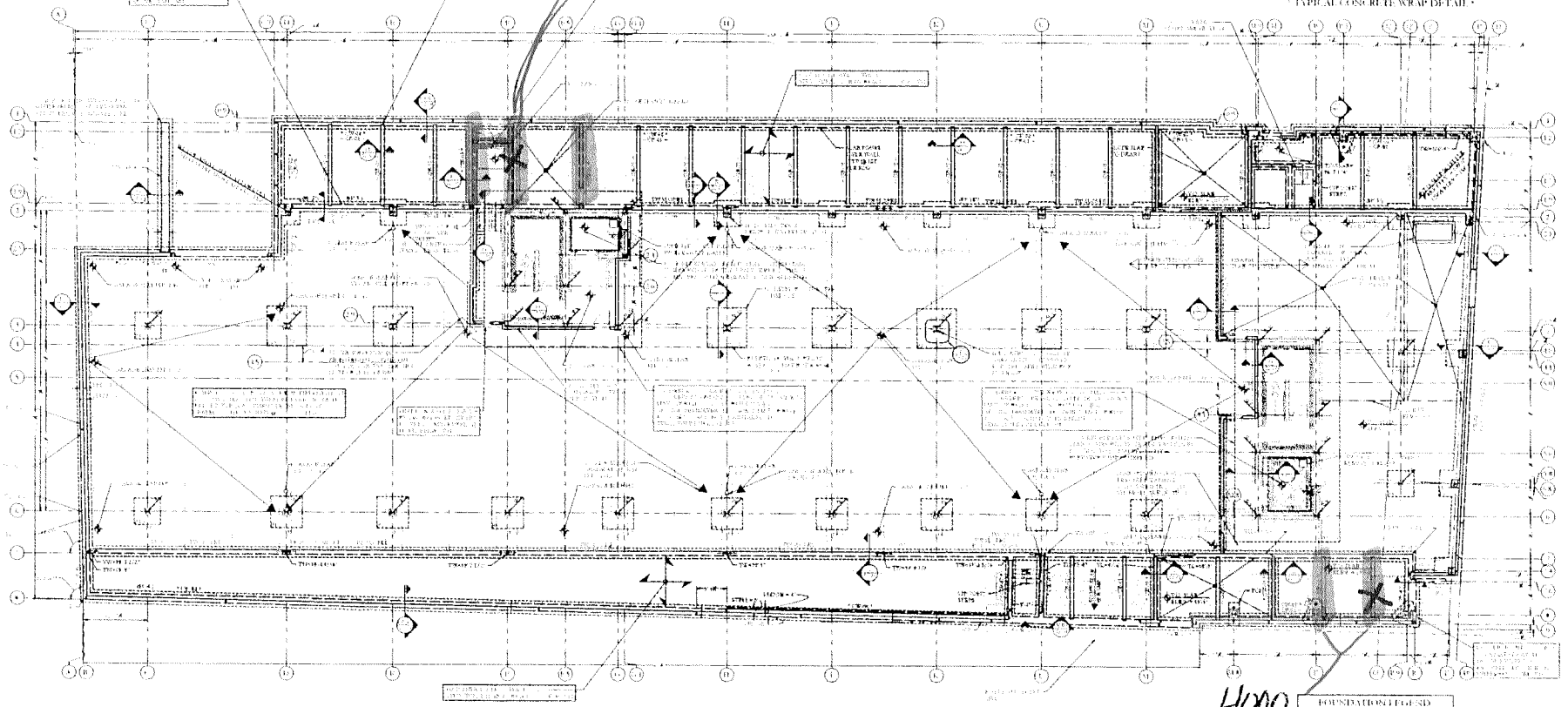
Remarks:

Checked by: Matthew T. Grady, Manager of MTS

KEBAR INSP & CONCRETE PLACEMENT

X TEST CYL LOCATION

MIKE SANDERS 05-10-2016



DETAIL — TYPICAL CONCRETE WRAP DETAIL

FOUNDATION PLAN

PILE CAP AND GRADE BEAM SCHEDULE

CONCRETE WALL SCHEDULE

CONCRETE FOOTING SCHEDULE

FOUNDATION LEGEND

667 CONGRESS STREET
APARTMENTS
PORTLAND MAINE

RSA
ARCHITECTURE

DATE
PROJECT NO
DRAWN BY
CHECKED BY
SCALE

SHEET TITLE
FOUNDATION PLAN

S1.00

Structural Integrity

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

LETTER OF TRANSMITTAL

Date:	Project No.:
June 10, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82796	28
82797	28

Remarks:

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

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Tuesday, May 10, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4000 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Rear	**Admixtures:**	Master Air AE2000, Master Glenium 7500

Placement Location:

Foundation Walls Cross Walls Q/7-8 & P/7-8

Test Cylinder Location:

Q/7-8

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:	299679	Cast By:		Mary E. Sanders
Truck Number:	143	Slump:	ASTM C 143	6.00 in.
Cubic Yards:	3	Air Temperature:		70 °F
Total Yardage:	3	Concrete Temperature:		71 °F
Total Time (minutes):	76	Air Content:	ASTM C 231	6.1 %

Specimen Storage ASTM C 31

Field Cure Days: 1

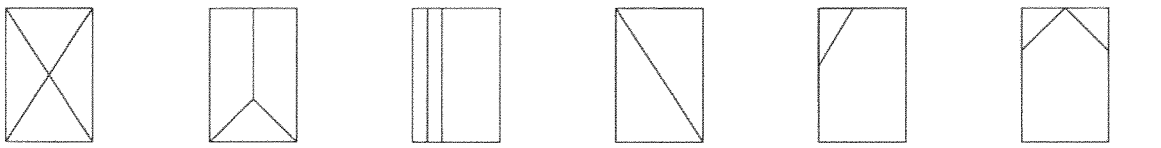
Date Received: 5/11/2016

Condition of Cylinders: Good

Curing Temperatures: 68 °F to 83 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82795	5/17/2016	4.01	12.64	7	50075	3960	3
82796	6/7/2016	4.00	12.54	28	66905	5330	2
82797	6/7/2016	4.00	12.54	28	64495	5140	3
82798	HOLD			H			



Remarks:

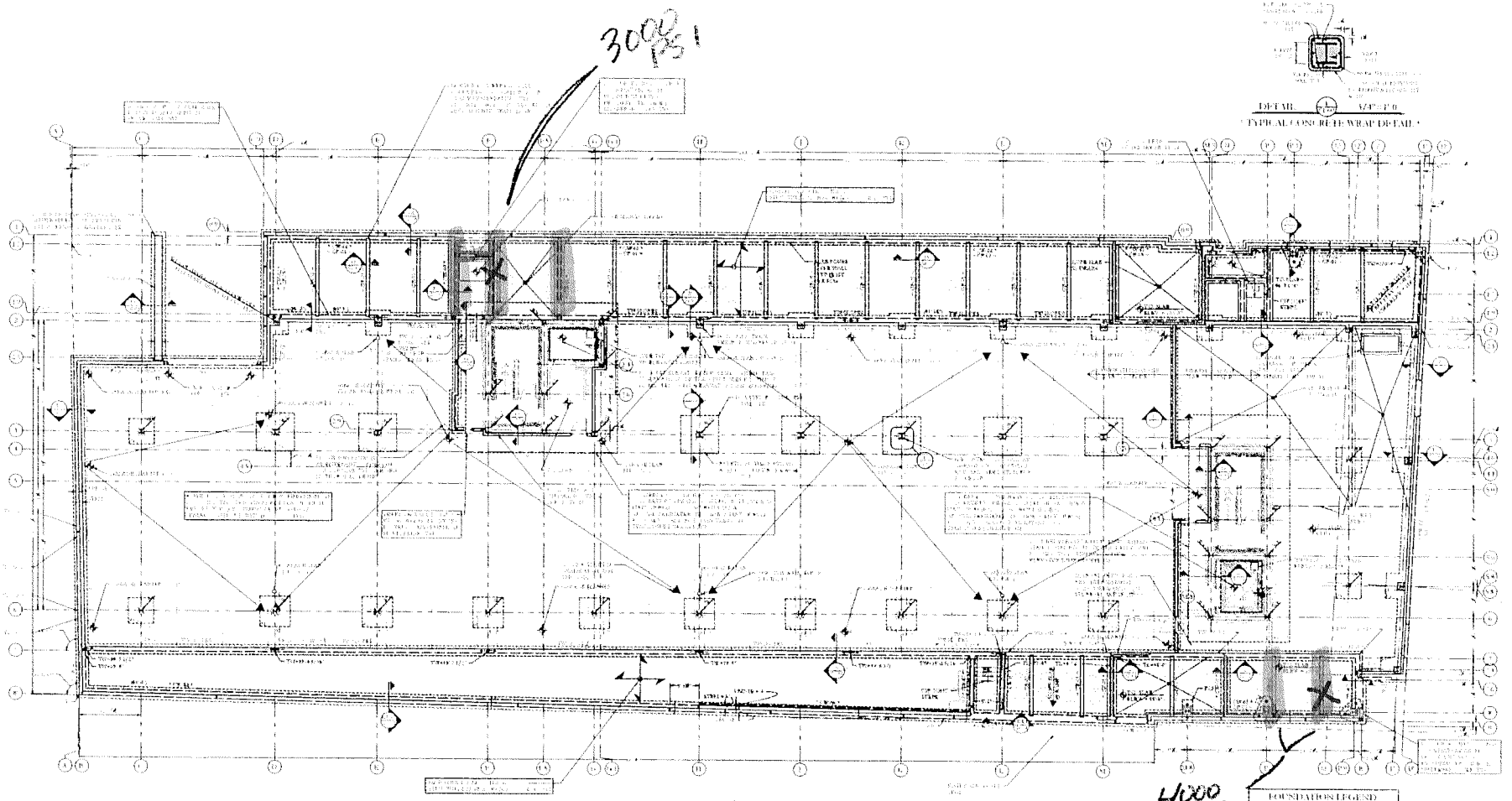
Checked by: Matthew T. Grady, Manager of MTS

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

KEBAR INSP
&
CONCRETE
PLACEMENT

X TEST
CYL
LOCATION

MIMMY
SANDERS
05-10-2016



DETAIL — TYPICAL CONCRETE WRAP DETAIL

FOUNDATION PLAN

PILE CAP AND GRADE BEAM SCHEDULE

MARK	PLAN DETAIL	SECTION DETAIL	NOTES

CONCRETE WALL SCHEDULE

MARK	SIZE	REINFORCING	NOTES

CONCRETE FOOTING SCHEDULE

MARK	SIZE	REINFORCING	REMARKS

FOUNDATION LEGEND

NOTE: THIS SYMBOL INDICATES CONSTRUCTION JOINT AND TYPICAL CONSTRUCTION JOINT LOCATION. FOUNDATION PLAN, DIMENSIONS, SECTIONS AND NOTES ARE REPRESENTATIVE OF SIMILAR CONDITIONS

Structural Integrity

667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
ARCHITECTURE

CONSULTANTS

DATE: 2 NOVEMBER 2015
PROJECT NO: 1501
DRAWN BY: MKL
CHECKED BY: ALL
SCALE: AS NOTED

SHEET TITLE:
FOUNDATION PLAN

S1.00

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

LETTER OF TRANSMITTAL

Date:	Project No.:
June 10, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82990	28
82991	28

Remarks:

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

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Wednesday, May 11, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	3000 psi
Weather Conditions:	Sunny	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Rear Discharge	**Admixtures:**	MasterAir AE 200. Masterglenium 7500

Placement Location:

Cross Wall Footing M/1-2, M.9-p/1-2

Test Cylinder Location:

N/1-2

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:	299708	Cast By:		Mary E. Sanders
Truck Number:	119	Slump:	ASTM C 143	4.75 in.
Cubic Yards:	4.5	Air Temperature:		71 °F
Total Yardage:	4.5	Concrete Temperature:		72 °F
Total Time (minutes):	90	Air Content:	ASTM C 231	6.5 %

Specimen Storage ASTM C 31

Field Cure Days: 1

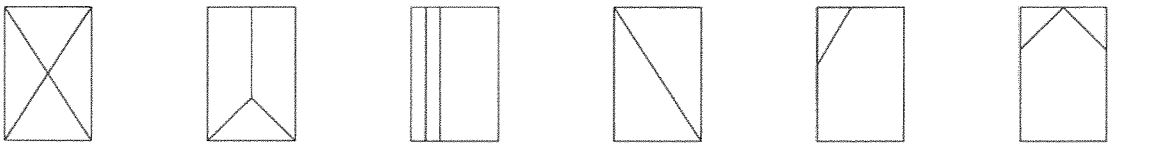
Date Received: 5/12/2016

Condition of Cylinders: Good

Curing Temperatures: 73 °F to 80 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82989	5/18/2016	4.02	12.70	7	51995	4090	5
82990	6/8/2016	4.00	12.59	28	66185	5260	2
82991	6/8/2016	4.00	12.59	28	65265	5190	3
82992	HOLD			H			



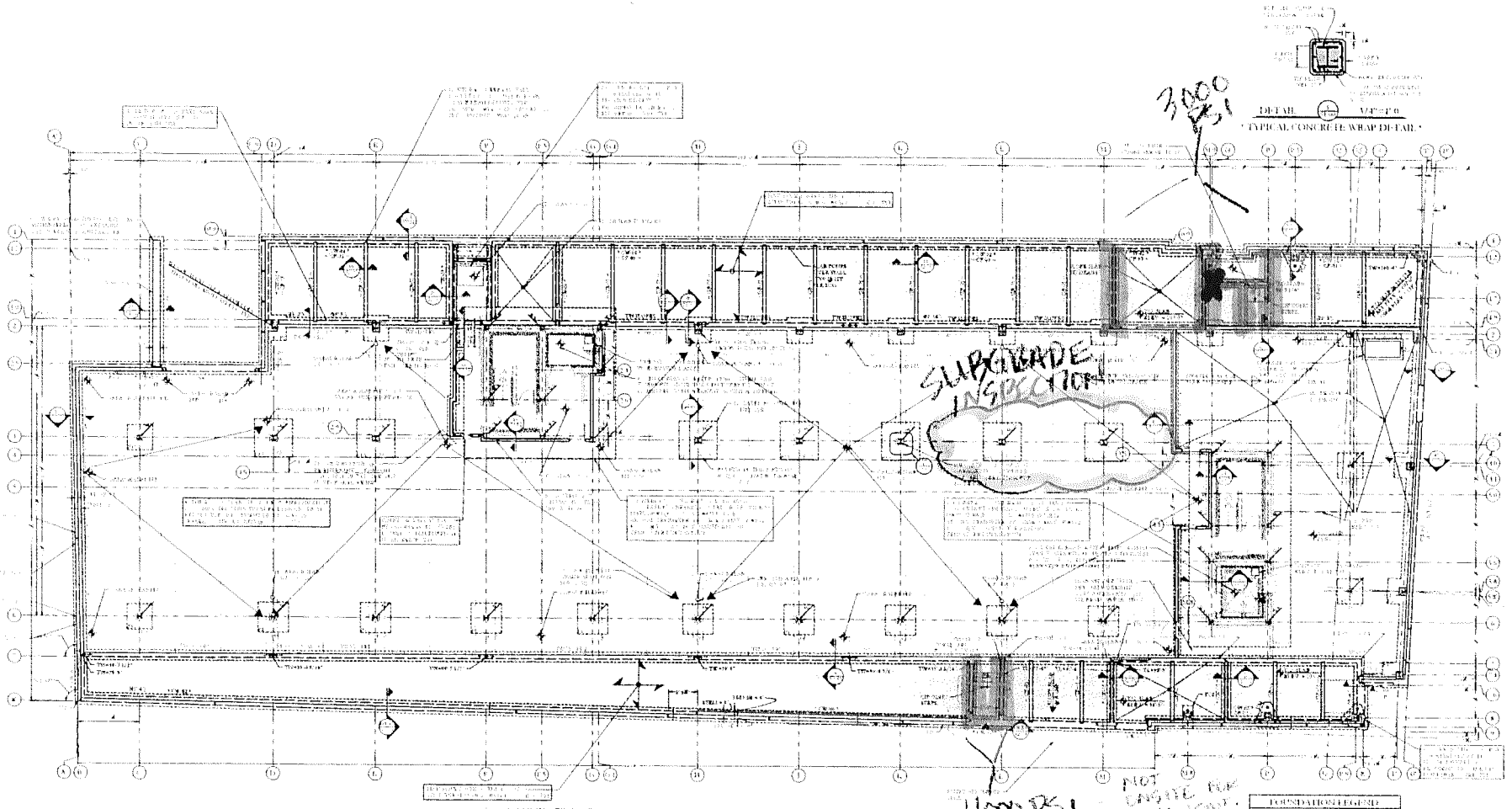
Remarks:

Checked by: _____

Matthew T. Grady, Manager of MTS

REBAR INSP & CONCRETE PLACEMENT

X TEST CYL LOCATION



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

FOUNDATION PLAN

PILE CAP AND GRADE BEAM SCHEDULE

MARK	PLAN DETAIL	SECTION	NOTE

CONCRETE WALL SCHEDULE

MARK	SIZE	WALL REINFORCING	NOTE

CONCRETE FOOTING SCHEDULE

MARK	SIZE	FTG REINFORCING	REMARKS

FOUNDATION LEGEND

NOTE: TERMS INDICATED, IDENTIFIED AND TYPICAL AMPLIFICATIONS FOUNDATION PLAN, PLAN DISSECTION THEREOF SHOWN NOT REPRESENTATIVE OF ACTUAL CONDITIONS

Structural Integrity

667 CONGRESS STREET
APARTMENTS
PORTLAND MAINE

RSA
ARCHITECTURE

DATE: NOVEMBER 2015
DRAWN BY:
CHECKED BY:
SCALE: AS NOTED

SHEET TITLE
FOUNDATION PLAN

S1.00

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

LETTER OF TRANSMITTAL

Date:	Project No.:
June 10, 2016	1565-001
Attention: Blaine Buck (bbuck@cordjiacpg.com)	
Re: Concrete Testing 667 Congress Street Apartments Project Portland, ME 04101	

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
82998	28
82999	28

Remarks:

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

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Friday, May 13, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4000 psi
Weather Conditions:	Overcast	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MasterAir AE 200. Masterglenium 7500

Placement Location:

Foundation Cross Walls E-F/1-2, F/1-2, F.5/1-2 & Pilasters H/3-M/3

Test Cylinder Location:

Pilaster M/3

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

Load Number:	1 of 4	Number of 4x8 Cylinders:		4
Ticket Number:	299863	Cast By:		Mary E. Sanders
Truck Number:	150	Slump:	ASTM C 143	4.00 in.
Cubic Yards:	10	Air Temperature:		56 °F
Total Yardage:	40	Concrete Temperature:		69 °F
Total Time (minutes):	77	Air Content:	ASTM C 231	5.6 %

Specimen Storage ASTM C 31

Field Cure Days: 1

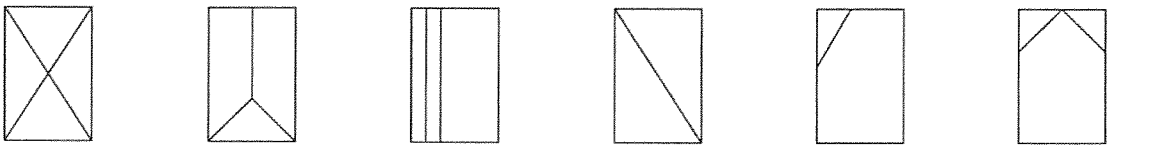
Date Received: 5/14/2016

Condition of Cylinders: Good

Curing Temperatures: 55 °F to 69 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
82997	5/20/2016	4.00	12.59	7	53305	4240	2
82998	6/10/2016	4.00	12.58	28	64275	5110	2
82999	6/10/2016	4.00	12.58	28	65385	5200	2
83000	HOLD			H			



Remarks:

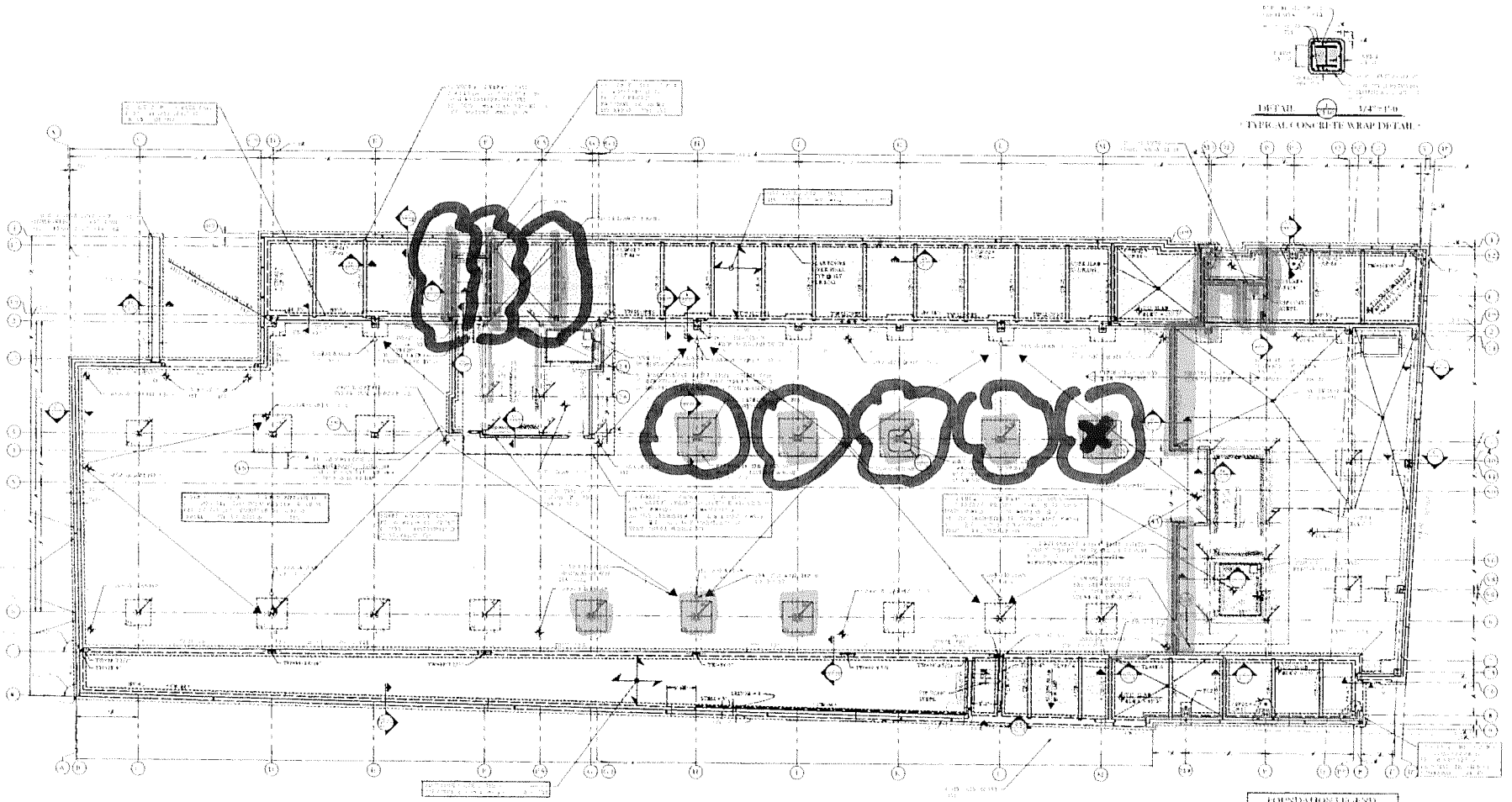
Checked by: Matthew T. Grady, Manager of MTS

MARY SANDERS
05-13-2016

INSPECTION AREAS

PLACEMENT LOCATION

X TEST CYL LOCATION



667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
ARCHITECTURE

FOUNDATION PLAN

S1.00

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

LETTER OF TRANSMITTAL

Date:	Project No.:
June 14, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
83006	28
83007	28

Remarks:

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

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Monday, May 16, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4000 psi
Weather Conditions:	Sun/Wind	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MasterAir AE 200. Masterglenium 7500

Placement Location:

Pilasters D/6, E/6, & F/6

Test Cylinder Location:

Pilaster E/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:	299919	Cast By:		Mary E. Sanders
Truck Number:	118	Slump:	ASTM C 143	5.50 in.
Cubic Yards:	6	Air Temperature:		60 °F
Total Yardage:	6	Concrete Temperature:		65 °F
Total Time (minutes):	73	Air Content:	ASTM C 231	4.6 %

Specimen Storage ASTM C 31

Field Cure Days: 1

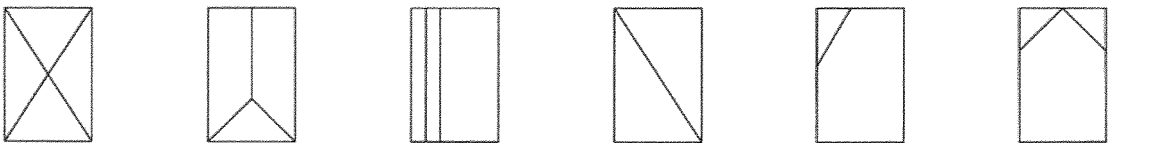
Date Received: 5/17/2016

Condition of Cylinders: Good

Curing Temperatures: 53 °F to 66 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83005	5/23/2016	4.02	12.70	7	63940	5040	3
83006	6/13/2016	4.00	12.55	28	76030	6060	3
83007	6/13/2016	4.00	12.55	28	77485	6180	3
83008	HOLD			H			



Remarks:

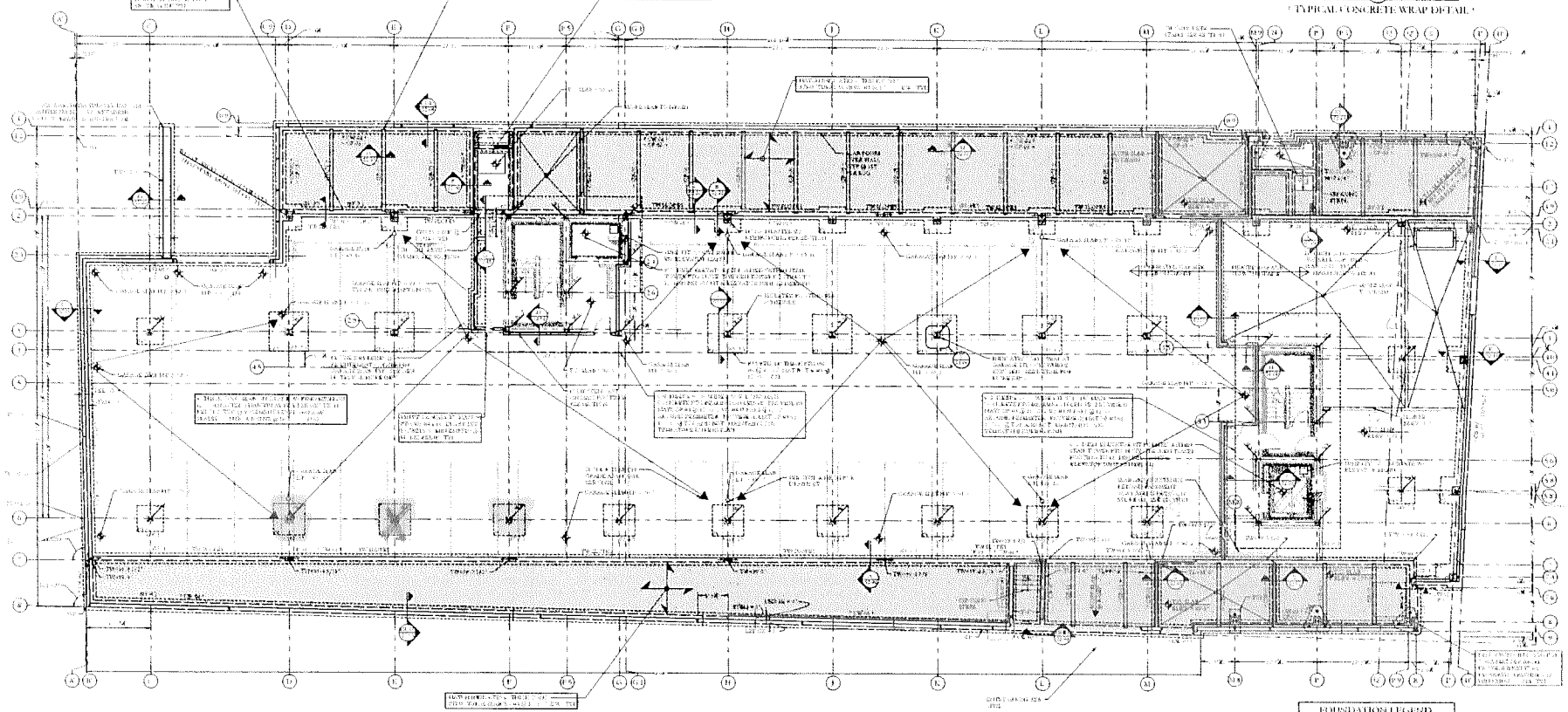
Checked by: _____

For Matthew T. Grady, Manager of MTS

MARY SAUNDERS
05-16-2016

REBAR & CONCRETE INSPECTION/PLACEMENT

X-TEST CYL LOCATION (E/6)



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

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	FTG REINFORCING	BEAR PT GAIN

FOUNDATION LEGEND

Structural Integrity

667 CONGRESS STREET
APARTMENTS
PORTLAND MAINE

RSA
RYAN SCHIETROMA ARCHITECTURE

CONSULTANTS

REVISIONS

DATE 2 NOVEMBER 2015
PROJECT No. 1543
DRAWN BY MK
CHECKED BY ACT
SCALE AS NOTED
SHEET TITLE FOUNDATION PLAN

S1.00

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

LETTER OF TRANSMITTAL

Date:	Project No.:
June 20, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
83129	28
83130	28

Remarks:

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

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name:	667 Congress St. Apartments Project	**Date Cylinders Cast:**	Thursday, May 19, 2016
Project No:	1565-001	**Concrete Supplier:**	Auburn Concrete
Client:	Cordjia Capital Projects Group	**Design Strength:**	4000 psi
Weather Conditions:	Sunny/Cold	**Max. Aggregate Size:**	3/4 inch
Placement Method:	Crane & Bucket	**Admixtures:**	MasterAir AE 200. Masterglenium 7500

Placement Location:

Wall-North Side of North Mass Footing

Test Cylinder Location:

Mid Wall

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:	30085	Cast By:		Mary E. Sanders
Truck Number:	83	Slump:	ASTM C 143	5.00 in.
Cubic Yards:	8	Air Temperature:		64 °F
Total Yardage:	8	Concrete Temperature:		70 °F
Total Time (minutes):	99	Air Content:	ASTM C 231	4.5 %

Specimen Storage ASTM C 31

Field Cure Days: 1

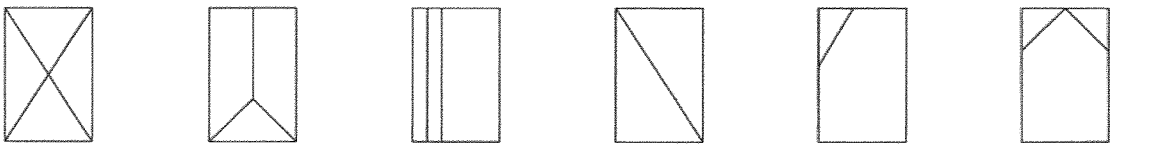
Date Received: 5/20/2016

Condition of Cylinders: Good

Curing Temperatures: 59 °F to 63 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83128	5/26/2016	4.00	12.58	7	55250	4390	2
83129	6/16/2016	4.00	12.59	28	69735	5540	5
83130	6/16/2016	4.00	12.59	28	66485	5280	3
83131	HOLD			H			



Remarks:

Checked by: _____

Matthew T. Grady, Manager of MTS

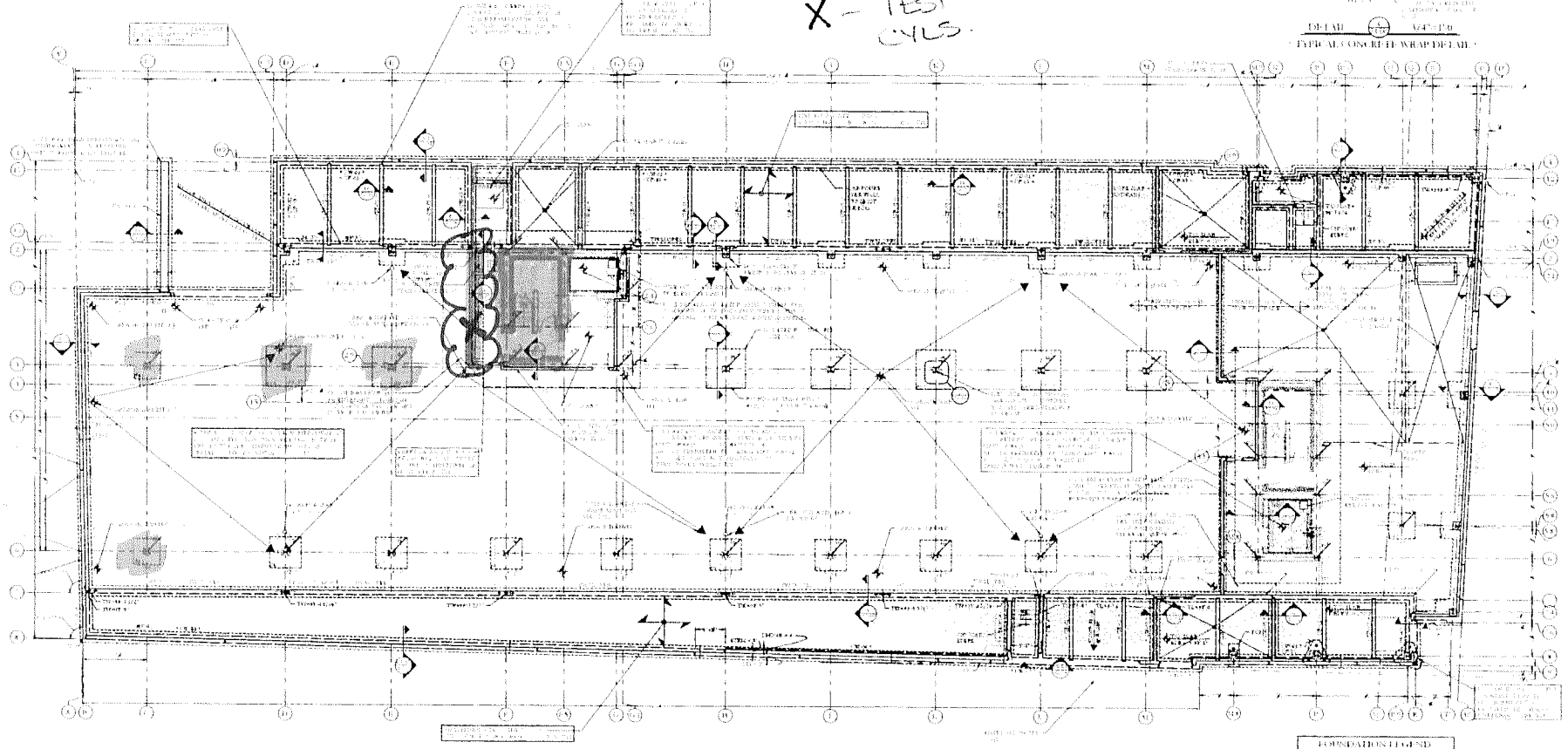
6667 CONGRESS ST
1565-001

MARY SANDERS
05-19-2016

REBAR

- CONCRETE PLACEMENT

X - TEST CYLS.



DETAIL
TYPICAL CONCRETE WRAP DETAIL

FOUNDATION PLAN

PILE CAP AND GRADE BEAM SCHEDULE

MARK	PLAN/DETAIL	SIZE L x W x D	NOTE

CONCRETE WALL SCHEDULE

MARK	LOCATION	WALL THICKNESS	NOTE

CONCRETE FOOTING SCHEDULE

MARK	LOCATION	LENGTH	WIDTH	THICKNESS

FOUNDATION LEGEND

Structural Integrity

667 CONGRESS STREET
APARTMENTS
PORTLAND MAINE

RSA
ARCHITECTURE

FOUNDATION PLAN

S1.00

R. W. Gillespie & Associates, Inc.
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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

Date:	Project No.:
June 20, 2016	1565-001

Attention: Blaine Buck (bbuck@cordjiacpg.com)

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

Cordjia Capital Projects Group

PO Box 1367

Camden, Maine 04843

We are sending you attached Concrete Cylinder Test Results.

Cylinder No. (s)	Age (Days)
83133	28
83134	28

Remarks:

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

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

R.W. GILLESPIE & ASSOCIATES

CONCRETE TEST/PLACEMENT REPORT

Project Name: 667 Congress St. Apartments Project
Project No: 1565-001
Client: Cordjia Capital Projects Group
Weather Conditions: Sunny
Placement Method: Crane & Bucket/Rear

Date Cylinders Cast: Friday, May 20, 2016
Concrete Supplier: Auburn Concrete
Design Strength: 4000 psi
Max. Aggregate Size: 3/4 inch
Admixtures: MasterAir AE 200. Masterglenium 7500, 2% Masterset FP200

Placement Location:
Footings C/6, C/3, D/3, E/3

Test Cylinder Location:
D/3

ASTM C 172 - Standard Practice for Sampling Freshly Mixed Concrete

Date Report Issued:

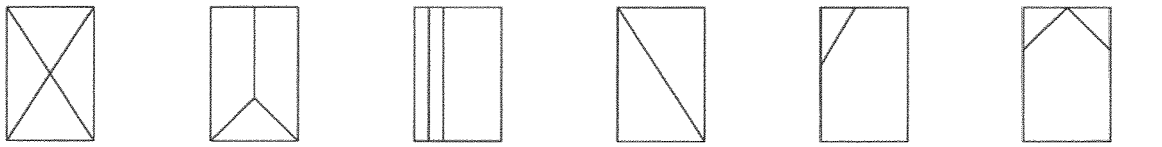
Load Number:	1 of 2	Number of 4x8 Cylinders:		4
Ticket Number:	300106	Cast By:		Mary E. Sanders
Truck Number:	119	Slump:	ASTM C 143	5.75 in.
Cubic Yards:	7	Air Temperature:		71 °F
Total Yardage:	14	Concrete Temperature:		69 °F
Total Time (minutes):	61	Air Content:	ASTM C 231	5.2 %

Specimen Storage ASTM C 31

Field Cure Days: 1
Date Received: 5/21/2016
Condition of Cylinders: Good
Curing Temperatures: 60 °F to 79 °F

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

Lab No.	Test Date	Ave. Dia. (in)	Ave. Area (in^2)	Age (days)	Load (lbs)	Compressive Strength (psi)	Break Type
83132	5/27/2016	4.01	12.60	7	50880	4040	3
83133	6/17/2016	4.00	12.54	28	63035	5030	5
83134	6/17/2016	4.00	12.54	28	65080	5190	5
83135	HOLD			H			

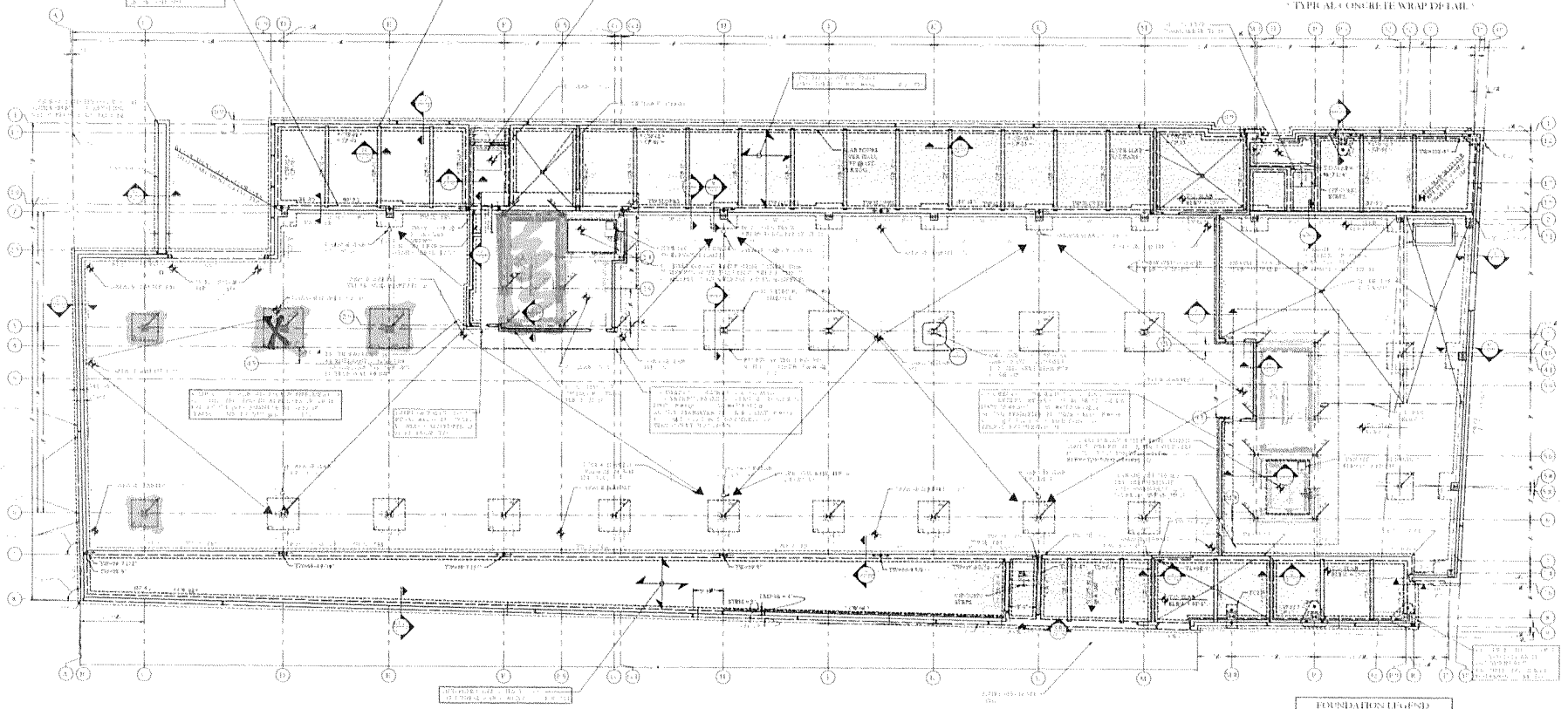


Remarks:

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

- CONCRETE PLACEMENT

X - TG 4415



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

PILE CAP AND GRADE BEAM SCHEDULE

MARK	PLAN DETAIL	SECTION DETAIL	NOTES

FOUNDATION PLAN

CONCRETE WALL SCHEDULE

MARK	SIZE	WALL REINFORCING	NOTES

CONCRETE FOOTING SCHEDULE

MARK	SIZE	REINFORCING	REMARKS

APPROXIMATE TOP OF FOOTING ELEVATIONS TO BE VERIFIED DURING EXCAVATED CONDITIONS

FOUNDATION LEGEND

NOTE: LEGEND INDICATES IDENTITY AND TYPICAL SYMBOLS USED ON FOUNDATION PLANS. PLAN DESCRIPTIONS MODIFY NOTE REPRESENTATIVE OF ACTUAL CONDITIONS

Structural Integrity

667 CONGRESS STREET
APARTMENTS
PORTLAND, MAINE

RSA
ARCHITECTURE

REVISIONS
1 - ISSUE

DATE 2 NOVEMBER 2015
PROJECT NO. 1512
DRAWN BY MAL
CHECKED BY ACF
SCALE AS NOTED

SHEET TITLE
FOUNDATION PLAN

S1.00