

July 27, 2018

Jonathan Rioux Inspections Director City of Portland Maine 389 Congress Street Portland, ME 04101 jrioux@portlandmaine.gov

RE: 35 Pleasant Street/6 South Street Special Inspections Portland, ME

Dear Jonathan,

I served as the Structural Engineer of Record for the renovations and additions to the building located at the corner of Pleasant and South Streets as noted by the above address. I was personally responsible for the structural design and provided periodic on-site review of construction for conformance with the design intent. I interacted with the contractor, architect and owner and resolved any structural related construction discrepancies or owner directed design changes to ensure the structure complies with the structural design intent.

Concrete testing and rebar inspections were provided by SW Cole and steel bolt and weld inspections were performed by White Engineering, LLC.

I am attaching test reports for your record. Please note that the 28-day concrete strength test for the garage slab came up a bit low but it is not a structural concern. I am also confident that the 56-day break of the remaining slab cylinder will come up to the specified design strength of 3,000 psi.

I trust this letter and the attached reports will satisfy the City of Portland's inspection requirements. If you have any questions or concerns, please contact me. Thank you.

Sincerely,

Becker Structural Engineers, Inc.

Paul B. Becker, PE, SECB President

Cc via email Jeanine Bourke jbourke@portlandmaine.gov



Concrete Construction Observation Report

Project Name:	Reitter Re	esidence				Proje	ct No. :	17-1399
Location:	6 South S	1E		====	Date:		11-20-17	
Client / Client's Rep:	M.R. Brev	ver				S.W.	COLE Rep. :	A. Boyce
Placement Location:	Building F	ootings			*	Arriv	ed on Site:	12:00p
Placement Type:	Concrete					Left S	Site:	3:00p
Pre-Placement Observation	ons			ln	Comp	oliance)	
Bar size and location (diamete	r, length, be	nd and covera	ge)		es 🗌	No [_	By others
Splicing (type, overlap)				Υ	es 🗌	No []	_
Stability (wiring, chairs, spacer			Υ	es 🗌	No []		
Reinforcement conditions (clear	nperature, etc.)		Υ	es 🗌	No 🗆]		
Embedments and anchor bolts	installed			Y	es 🗌	No []	
Soil subgrade prepared in acco	ordance with	project specifi	cations	Υ	es 🗌	No []	
Referenced Drawings		Date	Page	e(s)	R	ev.	Bar Reinforc	ing Grade & Type
Transfer Brannings		24.0	1 49	5(0)			ASTM:	ing crade a Type
							GRADE:	
							GRADE:	
Concrete Placement Obse	ervations	1	n Com	pliar	ice		Comme	ents
Required mix used		ì	Yes ⊠	No	□ 3	000 PS	SI W/Air	
Concrete properly conveyed to	all areas of	placement `	Yes ⊠	No		Direct		
Internal vibration / consolidation	n of concrete	e `	Yes No Mechanical					
Even layering around opening	s and embed	dments `	Yes ⊠	No	□ _v	Vet Stud	ck Dowels	
Post placement observations (finishing, cui	ring, etc.)	Yes □	No		I/A		
Field Testing of Concrete	Performed	1	∕es ⊠	No				
*CYLINDER SET NO: 982	2 – 1	•	←*refer	to ass	sociate	d concr	rete test report	
Non-Conformance Items								
Person Notified:		`	∕es 🏻	No	\boxtimes			
Notes:								
S.W. COLE was onsite to p did not arrive until 1:45pm. range water reducer and air to be within the acceptable r were cast for laboratory cor	The mix pr entrainme anges. An	ovided by His nt. Upon arriv nid-load samp	ssong (al the lole was	Conci mix v take	rete w vas te: n off th	as a 30 sted fo ne 1 st lo	000PSI exterior r initial air and to oad and one set	mix containing a mid- temperature and found t of four test specimens
Attachments: NONE			Review	ved b	y:		2	

The S.W.COLE field representative is on-site at the request of our client to provide construction materials testing and to observe and document construction activities. The contractor has sole responsibility for schedule, site safety, methods, completeness and quality control.



Concrete Construction Observation Report

Project Name:	Reitter Re		Project No.:			17-1399			
Location:	6 South S	t. Portland, M	ΙE			Date:		12-7-17	
Client / Client's Rep:	M.R. Brev	ver			_	S.W.	COLE Rep. :	A. Boyce	
Placement Location:	Building F	oundation wa	ılls			Arriv	ed on Site:	2:30p	
Placement Type:	Concrete					Left S	Site:	4:30p	
Pre-Placement Observation	ons			In (Comp	oliance	9		
Bar size and location (diameter	r, length, bei	nd and coveraç	ge)	Ye	es 🗌	No [_	By others	
Splicing (type, overlap)				Υe	es 🗌	No [
Stability (wiring, chairs, space	Stability (wiring, chairs, spacers)]		
Reinforcement conditions (clear	anliness, tem	perature, etc.)		Υe	es 🗌	No [
Embedments and anchor bolts	sinstalled			Υe	es 🗌	No [
Soil subgrade prepared in acc	ordance with	project specifi	cations	Υe	es 🗌	No [
Referenced Drawings		Date	Page	e(s)	R	ev.	Bar Reinforc	ing Grade & Type	
Treisiene 21 aminge				(0)			ASTM:	9	
							GRADE:		
							GIVADE.		
Concrete Placement Obse	ervations	_	n Com	plian	<u>ce</u>		Comme	ents ents	
Required mix used			∕es ⊠	No [000 PS	SI W/Air		
Concrete properly conveyed to	all areas of	placement	∕es ⊠	No [Direct			
Internal vibration / consolidation			Yes 🛛 No 🗌 Mechanical						
Even layering around opening	s and embed	Iments	∕es ⊠	No Anchor Bolts cast in place					
Post placement observations (finishing, cur	ring, etc.)	∕es □	No [□ _ N	I/A			
Field Testing of Concrete	Performed	<u>i</u> \	∕es ⊠	No		-			
	2 – 3	_	-*refer	to ass	ociate	d conci	rete test report		
Non-Conformance Items									
Person Notified:			∕es □	No	\boxtimes				
Notes:	-								
Notes:									
S.W. COLE was onsite to p									
a 3000PSI exterior mix con									
off the 1 st load and one set of S.W. COLE's departure.	of four test s	pecimens we	re cast	tor la	borati	ory con	npression testir	ig at a later date before	
C.W. COLL o dopartare.									
							,		
						1/	7/		
Attachments: NONE			Poviou	المالمان				-	

The S.W.COLE field representative is on-site at the request of our client to provide construction materials testing and to observe and document construction activities. The contractor has sole responsibility for schedule, site safety, methods, completeness and quality control.



Concrete Construction Observation Report

Project Name:	Reitter Re	esidence				Proje	ct No. :	17-1399	
Location:	7 South S	t, Portland			-	Date:		6-26-18	
Client / Client's Rep:	M. R. Bre	wer – Matt / D	ale		-	S.W.C	COLE Rep. :	C. Booth	
Placement Location:	Garage flo	oor				Arrive	ed on Site:	8:45	
Placement Type:	Slab					Left S	Site:	12:30	
Pre-Placement Observation	ons			<u>ln</u> (Comp	oliance	<u> </u>		
Bar size and location (diamete	r, length, be	nd and coverag	e)	Ye	s 🗌	No 🗆	Observed by	others	
Splicing (type, overlap)				Υe	s 🗌	No 🗆]		
Stability (wiring, chairs, spacer	rs)			Yε	s 🗌	No 🗌]		
Reinforcement conditions (clear	anliness, tem	nperature, etc.)		Υe	s 🗌	No 🗆	1		
Embedments and anchor bolts	installed			Ye	s 🗌	No 🗆]		
Soil subgrade prepared in acc	ordance with	project specific	ations	Υe	s 🗌	No 🗆]		
Referenced Drawings		Date	Page	(s)	R	ev.	Bar Reinforc	ing Grade & Type	
							ASTM:		
							GRADE:		
Concrete Placement Obse	ervations		Comp				Comme		
Required mix used			es 🛛	No [interior mix with		
Concrete properly conveyed to			es 🛛	No [_	7,8.5	us additional 10'	chute	
Internal vibration / consolidation			Yes No Mechanical vibrator						
Even layering around opening			Yes No Graded flat with opening						
Post placement observations (finishing, cui	ring, etc.) Y	es 🛚	s No Roughly finished					
Field Testing of Concrete	Performed	<u>Y</u>	es 🛛	No					
*CYLINDER SET NO: 982	2-4	(*refer to	o ass	ociate	d concr	ete test report		
Non-Conformance Items						1.			
Person Notified:		Y	es 🗌	No	\boxtimes				
Notes:									
S.W. Cole was onsite to per concrete was a 3000 Psi, a performed, all test results while (Hissong) added about began and tests were conduload air was determined to be sometimes of the control of the co	3⁄4" aggrega vere report t 16 Oz de- ucted at mic	ite mix contair ed to Dale and foamer. Air w I-load and a se	ning a l d Matt as test et of cyl	high (M.R ed a indei	range Bre gain a	e water wer). Ir and wa re cast	reducer. Con nitial air test sh s determined t	crete field testing was owed a 3.4% reading. o be 2.9%. Placement e strength testing. Mid-	
Attachments: None		r	Poviov	~d b.			yn c L	7	

The S.W.COLE field representative is on-site at the request of our client to provide construction materials testing and to observe and document construction activities. The contractor has sole responsibility for schedule, site safety, methods, completeness and quality control.



ASTM C-31 & C-39

Project Name: Portland ME - Reitter Residence - Construction Materials

Testing Services

Client:

M. R. Brewer Construction, LLC

General

Contractor:

Project Number:

17-1399

Client Contract Number:

Concrete

Supplier:

HISSONG CONCRETE

PLACEMENT INFORMATION

Date Cast:

11/20/2017

Time Cast: 2:10

Date Received:

11/21/2017

Placement Location: BUILDING FOOTINGS

Placement Method:

DIRECT DISCHARGE

Cylinders Made By:

AIDAN BOYCE

Placement Vol. (yd3): 15.5

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

37

Maximum (°F) 56 **DELIVERY INFORMATION** Admixtures:

MICRO AIR / MID-RANGE

Load

(kips)

38.2

TEST RESULTS

Minimum (°F)

Slump (in) (C-143):

4

6.2

Air Content (%) (C-231)

Conc. Temp (°F) (C-1064):

982-1B

982-1C

982-1D

Air Temp (°F):

38

62

Load Number: 1

Mixer Number 303

28

28

Ticket Number 7647

Arrive 1:45

Batch 1:10

Cubic Yards: Design (psi):

Lab

3000

Depart 2:25

Strength

(psi)

3030

Cylinder Cylinder Cross Cylinder Date Of Weight Diameter Sectional Fracture Age (lbs) Area(In)2 Designation (in) Test Cure Type (days) Type 982-1A 8.15 4.01 12.60 11/27/2017 Lab 7 5

> 8.15 12/18/2017 Lab 8.15 Hold Lab

8.15

Cone both ends

Cone one end w/ split Fracture Types

Columnar

Diagonal

Side at top or bottom

Pointed End

Remarks:

12/18/2017



ASTM C-31 & C-39

Project Name: Portland ME - Reitter Residence - Construction Materials

Testing Services

Project Number:

Client Contract Number:

17-1399

Client:

M. R. Brewer Construction, LLC

Concrete

General Contractor:

Supplier:

HISSONG CONCRETE

PLACEMENT INFORMATION

Date Cast:

11/20/2017

Time Cast: 2:10

Date Received:

11/21/2017

Placement Location: BUILDING FOOTINGS

Placement Method:

DIRECT DISCHARGE

Cylinders Made By:

AIDAN BOYCE

Placement Vol. (yd3): 15.5

Aggregate Size (in):

INITIAL CURING CONDITIONS

Temperatures

DELIVERY INFORMATION Admixtures:

MICRO AIR / MID-RANGE

Minimum (°F)

Maximum (°F) 37

56

TEST RESULTS

Slump (in) (C-143):

4

Air Content (%) (C-231)

6.2

Air Temp (°F):

Conc. Temp (°F) (C-1064):

38

62

Load Number: 1

Batch 1:10

Mixer Number 303

Ticket Number 7647

Arrive 1:45

Cubic Yards:

Depart

Design (psi):

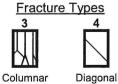
3000

2:25

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
982-1A	8.15	4.01	12.60	11/27/2017	Lab	7	5	38.2	3030
982-1B	8.15	3.99	12.48	12/18/2017	Lab	28	4	55.2	4420
982-1C	8.15	4.01	12.62	12/18/2017	Lab	28	5	51.6	4090
982-1D	8.15			Hold	Lab				



Cone one end w/ split







End



ASTM C-31 & C-39

Project Name: Portland ME - Reitter Residence - Construction Materials

Testing Services

Client:

M. R. Brewer Construction, LLC

General

Contractor:

Project Number:

17-1399

Client Contract Number:

Concrete

Supplier: HISSONG CONCRETE

PLACEMENT INFORMATION

Date Cast:

11/29/2017

Time Cast: 11:45

Date Received:

11/30/2017

Placement Location: RETAINING WALL

Placement Method:

DIRECT DISCHARGE

Cylinders Made By:

PETER PHELAN

Placement Vol. (yd3): 6

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Maximum (°F) NT

TEST RESULTS

Minimum (°F)

Slump (in) (C-143):

Air Content (%) (C-231)

7 1/2

7.7

Air Temp (°F):

44

Conc. Temp (°F) (C-1064):

63

DELIVERY INFORMATION

Admixtures:

HRWR / AIR ENTRAINMENT

Load Number: 1

Mixer Number 317

Arrive

Ticket Number 7709

Cubic Yards:

Depart

Batch 10:31

Design (psi):

3000

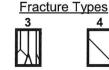
Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
202.24	7.00		10.01	40/0/0047					
982-2A	7.80	4.01	12.61	12/6/2017	Lab	7	5	27.8	2210
982-2B	7.80	4.02	12.67	12/27/2017	Lab	28	4	36.4	2870
982-2C	7.80	4.00	12.54	12/27/2017	Lab	28	4	35.4	2820
982-2D	7.80	4.01	12.62	1/24/2018	Lab	56	4	61.4	4870



Cone both ends



Cone one end w/ split



Columnar

Diagonal



Side at top

or bottom



Pointed End



ASTM C-31 & C-39

Project Number:

Client Contract Number:

Project Name: Portland ME - Reitter Residence - Construction Materials

Testing Services

Client: M. R. Brewer Construction, LLC

Placement Location: RETAINING WALL

General Contractor: Concrete

Supplier: HISSONG CONCRETE

PLACEMENT INFORMATION

Date Cast:

11/29/2017

Time Cast: 11:45

Date Received:

11/30/2017

17-1399

Placement Method: Cylinders Made By: DIRECT DISCHARGE

PETER PHELAN

Placement Vol. (yd3): 6

Aggregate Size (in): 3/4

DELIVERY INFORMATION

INITIAL CURING CONDITIONS

Temperatures

NT Maximum (°F) Admixtures:

HRWR / AIR ENTRAINMENT

TEST RESULTS

Air Temp (°F):

Minimum (°F)

Slump (in) (C-143):

Air Content (%) (C-231)

7 1/2

7.7

44

Conc. Temp (°F) (C-1064):

63

Load Number: 1

Batch 10:31

Mixer Number 317

Ticket Number 7709

Arrive

Cubic Yards: 6

3000

Depart

					Design (psi):
	Cylinder	Cylinder	Cross		
Cylinder	Weight	Diameter	Sectional	Date Of	Δαο

NT

Cylinder Designation	Weight (lbs)	Diameter (in)	Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
982-2A	7.80	4.01	12.61	12/6/2017	Lab	7	5	27.8	2210
982-2B	7.80	4.02	12.67	12/27/2017	Lab	28	4	36.4	2870
982-2C	7.80	4.00	12.54	12/27/2017	Lab	28	4	35.4	2820
982-2D	7.80			1/24/2018	Lab	56			



Cone both ends



end w/ split



Columnar

Diagonal



or bottom



Pointed End



ASTM C-31 & C-39

Project Name: Portland ME - Reitter Residence - Construction Materials

Testing Services

Project Number:

17-1399

Client:

M. R. Brewer Construction, LLC

Concrete

General

Contractor:

HISSONG CONCRETE Supplier:

Client Contract Number:

PLACEMENT INFORMATION

Date Cast:

11/29/2017

Time Cast: 11:45

Date Received:

11/30/2017

Placement Location: RETAINING WALL

Placement Method:

DIRECT DISCHARGE

Placement Vol. (yd3): 6

Cylinders Made By:

PETER PHELAN

Aggregate Size (in):

DELIVERY INFORMATION

INITIAL CURING CONDITIONS

Temperatures

Admixtures:

HRWR / AIR ENTRAINMENT

Minimum (°F)

NT

Maximum (°F)

NT

TEST RESULTS

Slump (in) (C-143): 7 1/2 **Air Content (%) (C-231)** 7.7 Air Temp (°F): 44 Conc. Temp (°F) (C-1064): 63

Load Number: 1

Mixer Number 317

Batch 10:31

Ticket Number 7709

Arrive

Cubic Yards:

3000

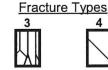
Depart

Design (psi):

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
982-2A	7.80	4.01	12.61	12/6/2017	Lab	7	5	27.8	2210
982-2B	7.80	4.02	12.67	12/27/2017	Lab	28	4	36.4	2870
982-2C	7.80	4.00	12.54	12/27/2017	Lab	28	4	35.4	2820
982-2D	7.80			1/24/2018	Lab	56			



ends







Pointed End

Cone both

Cone one end w/ split

Columnar

Diagonal

or bottom



ASTM C-31 & C-39

Project Number:

Client Contract Number:

Project Name: Portland ME - Reitter Residence - Construction Materials

Testing Services

M. R. Brewer Construction, LLC

General

Client:

Contractor:

Concrete

Supplier: HISSONG CONCRETE

PLACEMENT INFORMATION

Date Cast:

11/29/2017

Time Cast: 11:45

NT

Date Received:

11/30/2017

17-1399

Placement Location: RETAINING WALL

Placement Method:

DIRECT DISCHARGE

Cylinders Made By:

PETER PHELAN

Placement Vol. (yd3): 6

DELIVERY INFORMATION

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Maximum (°F) NT

Admixtures:

HRWR / AIR ENTRAINMENT

TEST RESULTS

Minimum (°F)

Slump (in) (C-143):

7 1/2

7.7

Air Content (%) (C-231)

Air Temp (°F):

44

Conc. Temp (°F) (C-1064):

63

Cubic Yards:

Load Number: 1

Mixer Number 317

Ticket Number 7709

Depart

Arrive

Batch 10:31

Design (psi): 3000

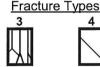
Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
982-2A	7.80	4.01	12.61	12/6/2017	Lab	7	5	27.8	2210
982-2B	7.80	4.02	12.67	12/27/2017	Lab	28	4	36.4	2870
982-2C	7.80	4.00	12.54	12/27/2017	Lab	28	4	35.4	2820
982-2D	7.80	4.01	12.62	1/24/2018	Lab	56	4	61.4	4870



Cone both ends



Cone one end w/ split



Columnar

Diagonal



Side at top

or bottom



Pointed End



ASTM C-31 & C-39

Project Number:

Client Contract Number:

Project Name: Portland ME - Reitter Residence - Construction Materials

Testing Services

M. R. Brewer Construction, LLC

General

Client:

Contractor:

Concrete

Supplier: HISSONG CONCRETE

PLACEMENT INFORMATION

Date Cast:

11/29/2017

Time Cast: 11:45

Date Received:

11/30/2017

17-1399

Placement Location: RETAINING WALL

Placement Method: Cylinders Made By: DIRECT DISCHARGE

PETER PHELAN

Placement Vol. (yd3): 6

Aggregate Size (in):

INITIAL CURING CONDITIONS

Temperatures

NT

NT

TEST RESULTS

Minimum (°F)

Slump (in) (C-143): Air Content (%) (C-231) 7 1/2

Maximum (°F)

7.7

Air Temp (°F): Conc. Temp (°F) (C-1064): 44

63

DELIVERY INFORMATION

Admixtures:

HRWR / AIR ENTRAINMENT

Load Number: 1

Mixer Number 317

Ticket Number 7709

Cubic Yards:

Depart

Batch 10:31

Arrive

Design (psi): 3000

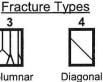
Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
							Allerin		
982-2A	7.80	4.01	12.61	12/6/2017	Lab	7	5	27.8	2210
982-2B	7.80			12/27/2017	Lab	28			
982-2C	7.80			12/27/2017	Lab	28			
982-2D	7.80			Hold	Lab				



end w/ split ends



Columnar



Side at top

or bottom



Pointed End



ASTM C-31 & C-39

Project Name: Portland ME - Reitter Residence - Construction Materials

Testing Services

M. R. Brewer Construction, LLC

Client:

General

Contractor:

Client Contract Number:

Project Number:

Concrete

Supplier: HISSONG CONCRETE

PLACEMENT INFORMATION

Date Cast:

12/7/2017 Placement Location: BUILDING FOUNDATION WALLS

Time Cast: 4:25

Date Received:

12/8/2017

HRWR / MICRO AIR

17-1399

Placement Method:

DIRECT DISCHARGE

Cylinders Made By:

AIDAN BOYCE

Maximum (°F)

Placement Vol. (yd3): 11

Aggregate Size (in):

DELIVERY INFORMATION

INITIAL CURING CONDITIONS

Temperatures

41

64

TEST RESULTS

Minimum (°F)

3 Slump (in) (C-143): Air Content (%) (C-231) 7.2 Air Temp (°F): 40 Conc. Temp (°F) (C-1064): 59

Load Number: 1

Design (psi):

Admixtures:

Mixer Number 303

Ticket Number 7796

Cubic Yards: 11

3000

Arrive 4:00 Depart

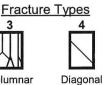
Batch 3:17

Cylinder Cylinder Cross Weight Cylinder Diameter Sectional Date Of Fracture Load Strength Age Designation (lbs) (in) Area(In)2 Test Cure Type (days) Type (kips) (psi) 42.2 982-3A 4.01 12.62 12/14/2017 Lab 7 4 3350 8.15 1/4/2018 28 982-3B 8.15 Lab 982-3C 8.15 1/4/2018 Lab 28 982-3D 8.15 Hold Lab

Cone both

ends

Cone one end w/ split Columnar



Side at top or bottom



Pointed End



ASTM C-31 & C-39

Project Number:

Client Contract Number:

Project Name: Portland ME - Reitter Residence - Construction Materials

Testing Services

Client:

M. R. Brewer Construction, LLC

General

Contractor:

Concrete

Supplier: HISSONG CONCRETE

PLACEMENT INFORMATION

Date Cast:

12/7/2017

Time Cast: 4:25

Date Received:

12/8/2017

HRWR / MICRO AIR

17-1399

Placement Location: BUILDING FOUNDATION WALLS

Placement Method:

DIRECT DISCHARGE

Cylinders Made By:

AIDAN BOYCE

Placement Vol. (yd3): 11

Aggregate Size (in): 3/4

DELIVERY INFORMATION

INITIAL CURING CONDITIONS

Temperatures

41

Maximum (°F)

64

TEST RESULTS

Minimum (°F)

3 Slump (in) (C-143): **Air Content (%) (C-231)** 7.2 Air Temp (°F): 40 59

Conc. Temp (°F) (C-1064):

Load Number: 1

Admixtures:

Mixer Number 303

Ticket Number 7796

11

Cubic Yards: 3000

4:00 Depart

Batch 3:17

Arrive

Design (psi):

Cylinder Designation	Cylinder Weight (Ibs)	Cylinder Diameter (in)	Cross Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
982-3A	8.15	4.01	12.62	12/14/2017	Lab	7	4	42.2	3350
982-3B	8.15	3.96	12.29	1/4/2018	Lab	28	5	52.6	4280
982-3C	8.15	4.01	12.61	1/4/2018	Lab	28	4	52.6	4170
982-3D	8.15			Hold	Lab				



Cone both ends



Cone one end w/ split



Columnar Diagonal



Side at top

or bottom



Pointed End



ASTM C-31 & C-39

Project Name: Portland ME - Reitter Residence - Construction Materials

Testing Services

M. R. Brewer Construction, LLC

General

Client:

Contractor:

Client Contract Number:

Project Number:

Concrete

Supplier: HISSONG CONCRETE

PLACEMENT INFORMATION

Date Cast:

6/26/2018

Time Cast: 12:12

Date Received:

6/27/2018

17-1399

Placement Location: 1ST FLOOR GARAGE SLAB, NE CORNER OF BUILDING

Placement Method: Cylinders Made By: DIRECT DISCHARGE

CALEB BOOTH

Placement Vol. (yd3): 11

Aggregate Size (in):

DELIVERY INFORMATION

HRWR

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F)

Maximum (°F) NT

NT

TEST RESULTS

Slump (in) (C-143): 4 1/4 2 **Air Content (%) (C-231)** Air Temp (°F): 71 80

Conc. Temp (°F) (C-1064):

Load Number: 1

Admixtures:

Mixer Number 330

Ticket Number 9279

Cubic Yards: 11

Design (psi): 3000 Depart 12:15

Batch 9:47

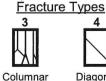
Arrive

10:35

Cylinder Cylinder Cross Cylinder Weight Diameter Sectional Date Of Age Fracture Load Strength Designation (lbs) (in) Area(In)2 Test (kips) Cure Type (days) Type (psi) 7 25.4 982-4A 8.25 3.99 12.48 7/3/2018 Lab 4 2040 7/24/2018 28 982-4B 8.25 Lab 982-4C 8.25 7/24/2018 28 Lab 982-4D 8.25 Hold Lab



Cone one ends end w/ split









Pointed

End



ASTM C-31 & C-39

Project Name: Portland ME - Reitter Residence - Construction Materials

Testing Services

Project Number:

17-1399

Client:

M. R. Brewer Construction, LLC

Client Contract Number:

General

Contractor:

Concrete

Supplier:

HISSONG CONCRETE

PLACEMENT INFORMATION

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6/26/2018

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Date Received:

6/27/2018

Placement Location: 1ST FLOOR GARAGE SLAB, NE CORNER OF BUILDING

Placement Method: Cylinders Made By: DIRECT DISCHARGE

CALEB BOOTH

Placement Vol. (yd3): 11

Aggregate Size (in): 3/4

DELIVERY INFORMATION

HRWR

INITIAL CURING CONDITIONS

Temperatures

Maximum (°F) NT

NT

TEST RESULTS

Minimum (°F)

Slump (in) (C-143): Air Content (%) (C-231)

4 1/4 2

Air Temp (°F):

71 80

Conc. Temp (°F) (C-1064):

Load Number: 1

Admixtures:

Mixer Number 330

Ticket Number 9279

Cubic Yards:

Design (psi): 3000

Depart 12:15

Batch 9:47

Arrive

10:35

Cylinder Cylinder Cross

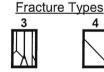
Cylinder Designation	Weight (lbs)	Diameter (in)	Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
982-4A	8.25	3.99	12.48	7/3/2018	Lab	7	4	25.4	2040
982-4B	8.25	4.00	12.54	7/24/2018	Lab	28	4	36.8	2930
982-4C	8.25	4.00	12.58	7/24/2018	Lab	28	4	35.2	2800
982-4D	8.25			8/21/2018	Lab	56			



Cone both ends



Cone one end w/ split



Columnar



Side at top or bottom



Pointed

WHITE ENGINEERING, LLC

nealjwhite@gmail.com

P.O. Box 878 Glen, N.H. 03838

Tel. 603-383-9347 Fax. 603-383-8262

Client: S.W. Cole Engineering, Inc. **Project:** 35 Pleasant St/6 South St

Date: April 25, 2018 **Project #:** 17-1399

Subject: Site Inspection of Structural Steel

Report: 001

We visited the site on this date as requested to perform structural steel inspections on the 35 Pleasant St./6 South St. project located in Portland, ME. Upon arrival we met with the project superintendent for MR Brewer.

Becker Structural Engineers drawings were used ot perform our inspections. Inspected at this time was New Level 2A Framing. Our actions and observations were as follows:

- Framing was inspected for overall conformance to drawings and details.
- Bolted connections were inspected. Nuts were completely engaged on TC bolts and splines were snapped off indicating proper tightening.
- X rod bracing appeared to be properly tightened.
- Web stiffener plates shown in detail 4/S5 were shop installed and shop welded.
- Top plate for bolted moment connection at C/1 was shop attached and shop welded.

All inspections performed above appeared acceptable in accordance to AWS, AISC, RCSC and contract documents.

The project superintendent was notified of our findings.

Inspector; Michael Bump CWI #07091231

WHITE ENGINEERING, LLC

nealjwhite@gmail.com

P.O. Box 878 Glen, N.H. 03838

Tel. 603-383-9347 Fax. 603-383-8262

Report: 001

Client: S.W. Cole Engineering, Inc.

Project: 35 Pleasant St/6 South St

Date: April 25, 2018 **Project #:** 17-1399

Subject: Site Inspection of Structural Steel

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