LETTER OF TRANSMITTAL



Terracon Consultants, Inc.
Pine Point Business Park, 15 Holly Street, Suite 105
Scarborough, ME 04074

Ph. (207) 396-5374 Fax (207) 396-5394 Internet Address: http://www.terracon.com

Date:	April 26, 2010		Attention: Matt Pelletier Sent to: BKA Architects				
Project:	W.B. Mason Expan	nsion					
	106 Pine Tree Indu		142 Crescent Street				
	Portland, ME 0410		Brockton, MA 02302				
Project No.:	J3091112.0029						
WE ARE SENDI	_	_ Field work _ Figures/Drawings _ Other:	X Lab work Report				
Copies	Date		Description				
1	04/15/10	Concrete Compre	essive Strength Test				
X	ANSMITTED as che For approval For your use For review and cor		Remarks: Ted Greenlaw, Structural Engineer tedgreenlawpe@yahoo.com Robert Turner, Turner Brothers, LLC rturner@turnerbrothers.com Phil Nunley pnunley@dragonproducts.com				
Signed:	CJR						

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Report Number: J3091112.0029B

Service Date: 04/15/10 Report Date: 04/16/10

Scarborough, ME 04074

207-396-5374

Client

BKA Architects Attn: Matt Pelletier

142 Crescent Street Brockton, MA 02302 Project

W.B. Mason Expansion

106 Pine Tree Industrial Parkway

Portland, ME 04102

Project Number: J3091112

Material Information

Specified Strength: 4,000 psi @ 28 days

Mix ID: 3/8 4000

Supplier: **Dragon Products** Batch Time: 0740 Plant:

Truck No.: 177 3934669

Field Test Data

Ticket No.:

Test Result Specification Slump (in): 6 Max 6 Air Content (%): 2.3 0 - 358 Concrete Temp. (F):

36

Ambient Temp. (F): Plastic Unit Wt. (pcf): Sample Information

Sample Date: 04/15/10 Sample Time:

Sampled By: Ethan M. Marro Clear40's F Weather Conditions:

Accumulative Yards: 30 Batch Size (cy): 10

Pump Placement Method: Water Added Before (gal): Water Added After (gal):

Slab between column lines E and F, 15 Sample Location:

Ramp between column lines E and E.6, **Placement Location:**

13 and 15. Slab between column lines E

0810

and K, 15 and 18.

Labora	atory Test	Data		Specimen			Age at	Maximum	Compressive	
Set No.	Specimen ID	Diameter (in)	Area (sq in)	Date Received	Weight (lbs)	Date Tested	Test (days)	Load (lbs)	Strength (psi)	Fracture Type
10	A	4.00	12.57	04/16/10	8.36	04/22/10	7	54,690	4,350	3
10	В	4.00	12.57	04/16/10	8.38	05/13/10	28			
10	C	4.00	12.57	04/16/10	8.36	05/13/10	28			
10	D			04/16/10	8.38		Hold			

Comments: Not tested for plastic unit weight.

Samples Made By: Terracon

Services:

Terracon Rep.: Ethan M. Marro

Reported To: Contractor:

Report Distribution:

(1) BKA Architects

Reviewed By:

Test Methods:

ASTM C39, ASTM C143, ASTM C172, ASTM C231, ASTM C1064, ASTM C31

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

Page 1 of 3

CR0001, 5-21-09, Rev.3

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Report Number: J3091112.0029B

Service Date: 04/15/10 Report Date: 04/16/10

Scarborough, ME 04074

207-396-5374

Client

BKA Architects

Attn: Matt Pelletier 142 Crescent Street Brockton, MA 02302 Project

W.B. Mason Expansion

106 Pine Tree Industrial Parkway

Portland, ME 04102

Project Number: J3091112

Sample Information

Weather Conditions:

Accumulative Yards:

Placement Method:

Sample Location:

Placement Location:

Sample Date:

Sampled By:

Material Information

Specified Strength: 4,000 psi @ 28 days

3/8 4000 Mix ID:

Supplier: **Dragon Products** Batch Time: 1105

Truck No.: Ticket No.: 3934680

Field Test Data

Slump (in):

Test

Result Specification 5 1/2 Max 6 Air Content (%): 2.2 0 - 3

59 Concrete Temp. (F): Ambient Temp. (F): 48 Plastic Unit Wt. (pcf):

Water Added Before (gal): Water Added After (gal):

Between column lines J and K, 17 and

130

Pump

04/15/10

Clear 40's F

Ethan M. Marro

Ramp between column lines E and E.6, 13 and 15. Slab between column lines E

Sample Time:

Batch Size (cy):

1130

10

and K, 15 and 18.

Laboratory Test Data Specimen Age at Maximum Compressive

Set	Specimen	Diameter	Area	Date	Weight	Date	Test	Load	Strength	Fracture
No.	ID	(in)	(sq in)	Received	(lbs)	Tested	(days)	(lbs)	(psi)	Type
12	A	4.00	12.57	04/16/10	8.36	04/22/10	7	39,840	3,170	3
12	В	4.00	12.57	04/16/10	8.35	05/13/10	28			
12	C	4.00	12.57	04/16/10	8.34	05/13/10	28			
12	D			04/16/10	8.33		Hold			

Comments: Not tested for plastic unit weight.

Samples Made By: Terracon

Services:

Terracon Rep.: Ethan M. Marro

CR0001, 5-21-09, Rev.3

Reported To: Contractor:

Report Distribution:

(1) BKA Architects

Reviewed By:

ASTM C39, ASTM C143, ASTM C172, ASTM C231, ASTM C1064, ASTM C31 Test Methods:

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Page 3 of 3

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Report Number: J3091112.0029B

Service Date:

04/15/10

Report Date:

04/16/10

Scarborough, ME 04074

207-396-5374

04/15/10

clear 40's F

Ethan M. Marro

Client

BKA Architects Attn: Matt Pelletier

142 Crescent Street Brockton, MA 02302 **Project**

W.B. Mason Expansion

106 Pine Tree Industrial Parkway

Portland, ME 04102

Sample Date:

Sampled By:

Project Number: J3091112 Sample Information

Material Information

Specified Strength: 4,000 psi @

28 days

Mix ID:

3/8 4000

Dragon Products Supplier: Batch Time: 0929

Plant:

Truck No .: 173 Ticket No.: 3934675 Accumulative Yards: Placement Method:

Weather Conditions:

Water Added Before (gal): Water Added After (gal):

Sample Location:

Between column lines E and F, 17 and

Sample Time:

Batch Size (cy):

1000

90

Pump

Placement Location:

Ramp between column lines E and E.6, 13 and 15. Slab between column lines E

and K, 15 and 18.

Field Test Data

Test Result Specification Slump (in): 5 1/2 Max 6 Air Content (%): 2.0 0 - 359 Concrete Temp. (F): Ambient Temp. (F): 45

Plastic Unit Wt. (pcf):

Laboratory Test Data

-	abore	atory rest	Data		Specimen			Age at	Maximum	Compressive	
	Set No.	Specimen ID	Diameter (in)	Area (sq in)	Date Received	Weight (lbs)	Date Tested	Test (days)	Load (lbs)	Strength (psi)	Fracture Type
	11	A	4.00	12.57	04/16/10	8.36	04/22/10	7	52,950	4,210	3
	11	В	4.00	12.57	04/16/10	8.34	05/13/10	28			
	11	C	4.00	12.57	04/16/10	8.38	05/13/10	28			
	11	D			04/16/10	8.39		Hold			

Comments: Not tested for plastic unit weight.

Samples Made By: Terracon

Services:

Terracon Rep.: Ethan M. Marro

Reported To: Contractor:

Report Distribution:

(1) BKA Architects

Reviewed By:

Test Methods:

CR0001, 5-21-09, Rev.3

ASTM C39, ASTM C143, ASTM C172, ASTM C231, ASTM C1064, ASTM C31

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Page 2 of 3