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				
Project:	W.B. Mason Expans	sion	Sent to: BKA Architects				
Project Address:	106 Pine Tree Indus	trial Parkway		142 Crescent Street Brockton, MA 02302			
	Portland, ME 04102						
Project No.:	J3091112.0028						
WE ARE SEND	ING YOU:	Field work	100	Lab work			
		Figures/Drawings	_	Report			
	-	Other:					
Copies	Date	T		Description			
1	04/14/10	Concrete Compres	cive Strongth				
1	04/14/10	Concrete Compres	sive Strength	Test			
		L					
THESE ARE TR	ANSMITTED as che	ecked below:	Remarks	5:			
			7	enlaw, Structural Engineer			
	For approval			lawpe@yahoo.com			
	For your use			Furner, Turner Brothers, LLC			
	For review and com	ment		turnerbrothers.com			
_		Phil Nur					
COPY TO:				<u>Ddragonproducts.com</u>			
		4					
		-					
							
		-					
Signed:	CJR						

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Report Number: J3091112.0028B

Service Date:

04/14/10

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-psi

Supplier: Batch Time: 0725

Dragon Products Plant:

Truck No.:

190

Ticket No.:

6

3934651

Field Test Data

Specification Result

Max 6

0 - 3

Slump (in): Air Content (%):

Test

2.6 60 Concrete Temp. (F): Ambient Temp. (F): 41

Plastic Unit Wt. (pcf):

Sample Information

Sample Date:

04/14/10

Sample Time:

0745

10

Sampled By: Weather Conditions:

Clear 40'sF

Ethan M. Marro

Accumulative Yards: 20

Pump

Placement Method: Water Added Before (gal):

Water Added After (gal): Sample Location:

Between column lines A nad B 3 and 4.

Placement Location:

Mezzanine between column lines A and

Batch Size (cy):

D, 1 and 4.5

Laboratory Test Data

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
	8	A	4.00	12.57	04/15/10	8.30	04/21/10	7	58,150	4,630	3
	8	В	4.00	12.57	04/15/10	8.35	05/12/10	28			
	8	C	4.00	12.57	04/15/10	8.41	05/12/10	28			
	8	D			04/15/10	8.34		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.

CR0001, 5-21-09, Rev.3

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Report Number: J3091112.0028B

Service Date: 04/14/10 **Report Date:** 04/16/10

Terracon

15 Holly St. 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-psi
Supplier: Dragon Products
Batch Time: 0920 Plant:

Truck No.: 173 Ticket No.: 3934657

Sample Information
Sample Date:

04/14/10 Sample Time:

0945

Sampled By: Ethan M. Marro Clear 40's F

Accumulative Yards: 80 Batch Size (cy): 10

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

Sample Location: Between column lines C and D. 1 and 2.

Placement Location: Mezzanine between column lines A and

D, 1 and 4.5

Field Test Data

Test	Result	Specification			
Slump (in):	6	Max 6			
Air Content (%):	2.3	0 - 3			
Concrete Temp. (F):	58				
Ambient Temp. (F):	45				

Plastic Unit Wt. (pcf):

Laboratory 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
9	A	4.00	12.57	04/15/10	8.32	04/21/10	7	53,340	4,250	2
9	В	4.00	12.57	04/15/10	8.37	05/12/10	28			
9	C	4.00	12.57	04/15/10	8.34	05/12/10	28			
9	D			04/15/10	8.36		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:

Wendell Shedd

Test Methods:

CR0001, 5-21-09, Rev.3

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.

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