



# CONCRETE COMPRESSIVE STRENGTH TEST REPORT

# Terracon

Report Number: J3091112.0029B

Service Date: 04/15/10

Report Date: 04/16/10

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

Supplier: Dragon Products

Batch Time: 0740

Plant:

Truck No.: 177

Ticket No.: 3934669

## Sample Information

Sample Date: 04/15/10 Sample Time: 0810

Sampled By: Ethan M. Marro

Weather Conditions: Clear40's F

Accumulative Yards: 30 Batch Size (cy): 10

Placement Method: Pump

Water Added Before (gal):

Water Added After (gal):

Sample Location: Slab between column lines E and F, 15 and 17.

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):	6	Max 6
Air Content (%):	2.3	0 - 3
Concrete Temp. (F):	58	
Ambient Temp. (F):	36	
Plastic Unit Wt. (pcf):		

## Laboratory Test Data

Set No.	Specimen ID	Diameter (in)	Area (sq in)	Date Received	Specimen Weight (lbs)	Date Tested	Age at Test (days)	Maximum Load (lbs)	Compressive 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	B	4.00	12.57	04/16/10	8.38	05/13/10	28	65,760	5,230	2
10	C	4.00	12.57	04/16/10	8.36	05/13/10	28	66,380	5,280	2
10	D			04/16/10	8.38		Hold		5,260	

Comments: Compressive strength of 28 day cylinders complies with the specified strength. 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: 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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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

Supplier: Dragon Products

Batch Time: 0929

Plant:

Truck No.: 173

Ticket No.: 3934675

## Sample Information

Sample Date: 04/15/10 Sample Time: 1000

Sampled By: Ethan M. Marro

Weather Conditions: clear 40's F

Accumulative Yards: 90 Batch Size (cy): 10

Placement Method: Pump

Water Added Before (gal):

Water Added After (gal):

Sample Location: Between column lines E and F, 17 and 18.

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 - 3
Concrete Temp. (F):	59	
Ambient Temp. (F):	45	
Plastic Unit Wt. (pcf):		

## Laboratory Test Data

Set No.	Specimen ID	Diameter (in)	Area (sq in)	Date Received	Specimen Weight (lbs)	Date Tested	Age at Test (days)	Maximum Load (lbs)	Compressive 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	B	4.00	12.57	04/16/10	8.34	05/13/10	28	63,340	5,040	2
11	C	4.00	12.57	04/16/10	8.38	05/13/10	28	65,540	5,220	2
11	D			04/16/10	8.39		Hold			
Average (28 days)									5,130	

Comments: Compressive strength of 28 day cylinders complies with the specified strength. 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: ASTM C39, ASTM C143, ASTM C172, ASTM C231, ASTM C1064, ASTM C31

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Report Date: 04/16/10

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

Supplier: Dragon Products

Batch Time: 1105

Plant:

Truck No.: 177

Ticket No.: 3934680

## Sample Information

Sample Date: 04/15/10 Sample Time: 1130

Sampled By: Ethan M. Marro

Weather Conditions: Clear 40's F

Accumulative Yards: 130 Batch Size (cy): 10

Placement Method: Pump

Water Added Before (gal):

Water Added After (gal):

Sample Location: Between column lines J and K, 17 and 18.

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 (%):	2.2	0 - 3
Concrete Temp. (F):	59	
Ambient Temp. (F):	48	
Plastic Unit Wt. (pcf):		

## Laboratory Test Data

Set No.	Specimen ID	Diameter (in)	Area (sq in)	Date Received	Specimen Weight (lbs)	Date Tested	Age at Test (days)	Maximum Load (lbs)	Compressive Strength (psi)	Fracture Type
12	A	4.00	12.57	04/16/10	8.36	04/22/10	7	39,840	3,170	3
12	B	4.00	12.57	04/16/10	8.35	05/13/10	28	67,270	5,350	2
12	C	4.00	12.57	04/16/10	8.34	05/13/10	28	66,340	5,280	2
12	D			04/16/10	8.33		Hold		5,320	

Comments: Compressive strength of 28 day cylinders complies with the specified strength. 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: ASTM C39, ASTM C143, ASTM C172, ASTM C231, ASTM C1064, ASTM C31

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