

**Project Name:** PORTLAND - 585 RIVERSIDESTREET - BUILDING 2 - MATERIALS TESTING

**Project Number:** 04-0509.3

**Client:** SBM ASSOCIATES, INC.

**Client Contract Number:**

**General Contractor:**

**Concrete Supplier:** P&K READY MIX

### PLACEMENT INFORMATION

**Date Cast:** 2/9/2006      **Time Cast:** 1:10      **Date Received:** 2/10/2006

**Placement Location:** STRIP FOOTING SOUTH & EAST WALL

**Placement Method:** CHUTE

**Placement Vol. (yd<sup>3</sup>):** 56

**Cylinders Made By:** JRD

**Aggregate Size (in):** 3/4

### INITIAL CURING CONDITIONS

#### Temperatures

**Minimum (°F)**                      **Maximum (°F)**

### DELIVERY INFORMATION

**Admixtures:** POLARSET 1% -- SUPER

### TEST RESULTS

**Slump (in) (C-143):** 5.0

**Load Number:** 1

**Air Content (%) (C-231):** 5.0

**Mixer Number:** 45

**Air Temp (°F):**

**Ticket Number:** 086401

**Conc. Temp (°F) (C-1064):** 52

**Cubic Yards:** 11.25

**Design (psi):** 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) <sup>2</sup>	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
601-1A		6.00	28.27	2/16/2006	Lab	7	4	80.0	2830
601-1B		6.00	28.27	3/9/2006	Lab	28	4	96.5	3410
601-1C		6.00	28.27	3/9/2006	Lab	28	4	100.5	3560
601-1D				Hold	Lab				

#### Fracture Types



1  
Cone



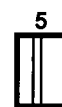
2  
Cone and Split



3  
Cone and Shear



4  
Shear



5  
Columnar

Remarks:

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### PLACEMENT INFORMATION

**Date Cast:** 2/14/2006      **Time Cast:** 11:00

**Date Received:** 2/15/2006

**Placement Location:** WALL FOOTING LINE 2 & E

**Placement Method:** CHUTE

**Placement Vol. (yd<sup>3</sup>):** 31

**Cylinders Made By:** JRD

**Aggregate Size (in):** 3/4

### INITIAL CURING CONDITIONS

#### Temperatures

**Minimum (°F)**                      **Maximum (°F)**

### DELIVERY INFORMATION

**Admixtures:** 1% POLARSET & SUPERPLASTICIZER

### TEST RESULTS

**Slump (in) (C-143):** 6.25

**Load Number:** 2

**Air Content (%) (C-231):** 4.0

**Mixer Number:** 36

**Air Temp (°F):** 35

**Ticket Number:** 086450

**Conc. Temp (°F) (C-1064):** 56

**Cubic Yards:** 10.25

**Design (psi):** 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) <sup>2</sup>	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
601-2A		6.00	28.27	2/21/2006	Lab	7	4	83.0	2940
601-2B		6.00	28.27	3/14/2006	Lab	28	4	104.0	3680
601-2C		6.00	28.27	3/14/2006	Lab	28	4	110.0	3890
601-2D				Hold	Lab				

#### Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks:

## Report of Concrete Compressive Strength

ASTM C-31 &amp; C-39

**Project Name:** PORTLAND - 585 RIVERSIDESTREET - BUILDING 2 - MATERIALS TESTING

**Project Number:** 04-0509.3

**Client:** SBM ASSOCIATES, INC.

**Client Contract Number:**
**General Contractor:**
**Concrete Supplier:** P&K READY MIX

### PLACEMENT INFORMATION

**Date Cast:** 3/7/2006      **Time Cast:** 12:40      **Date Received:** 3/8/2006

**Placement Location:** FOOTING 5'W OF A/1 TO 5'N OF E/9

**Placement Method:** TAILGATE

**Placement Vol. (yd<sup>3</sup>):** 55

**Cylinders Made By:** DAC

**Aggregate Size (in):** 3/4

### INITIAL CURING CONDITIONS

#### Temperatures

**Minimum (°F)**                      **Maximum (°F)**

### DELIVERY INFORMATION

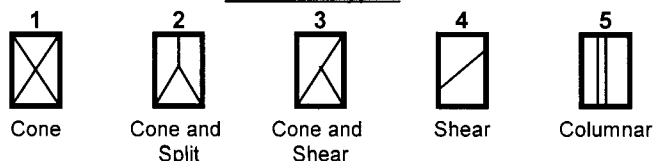
**Admixtures:** ADVA 140 HRWR, HOT H2O & 1% POLARSET

### TEST RESULTS

<b>Slump (in) (C-143):</b>	<b>Slump WR:</b> 5.75	<b>Load Number:</b> 3
<b>Air Content (%) (C-231):</b>	<b>Air WR:</b> 4.6	<b>Mixer Number:</b> 36
<b>Air Temp (°F):</b> 44		<b>Ticket Number:</b> 86731
<b>Conc. Temp (°F) (C-1064):</b> 64		<b>Cubic Yards:</b> 9.25
		<b>Design (psi):</b> 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) <sup>2</sup>	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
601-3A		6.00	28.27	3/14/2006	Lab	7	4	75.0	2650
601-3B		6.00	28.27	4/4/2006	Lab	28	4	99.5	3520
601-3C		6.00	28.27	4/4/2006	Lab	28	4	98.0	3470
601-3D				Hold	Lab				

#### Fracture Types



Remarks:

## Report of Concrete Compressive Strength

ASTM C-31 & C-39

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**Project Number:** 04-0509.3

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**Client Contract Number:**

**General Contractor:**

**Concrete Supplier:** P&K READY MIX

### PLACEMENT INFORMATION

**Date Cast:** 3/10/2006      **Time Cast:** 9:40

**Date Received:** 3/11/2006

**Placement Location:** WALL FOOTINGS A & 9

**Placement Method:** CHUTE

**Placement Vol. (yd<sup>3</sup>):** 30

**Cylinders Made By:** JRD

**Aggregate Size (in):** 3/4

### INITIAL CURING CONDITIONS

**Temperatures**

**Minimum (°F)**                      **Maximum (°F)**

### DELIVERY INFORMATION

**Admixtures:** SUPERPLASTICIZER  
ADVA-140

### TEST RESULTS

**Slump (in) (C-143):** 6.5

**Load Number:** 2

**Air Content (%) (C-231):** 4.3

**Mixer Number:** 45

**Air Temp (°F):** 43

**Ticket Number:** 086771

**Conc. Temp (°F) (C-1064):** 74

**Cubic Yards:** 10

**Design (psi):** 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) <sup>2</sup>	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
601-4A		6.00	28.27	3/17/2006	Lab	7	4	61.0	2160
601-4B		6.00	28.27	4/7/2006	Lab	28	4	78.5	2780
601-4C		6.00	28.27	4/7/2006	Lab	28	4	83.5	2950
601-4D		6.00	28.27	5/5/2006	Lab	56	4	98.0	3470

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks:

## Report of Concrete Compressive Strength

ASTM C-31 & C-39

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**General Contractor:**

**Concrete Supplier:** P&K READY MIX

### PLACEMENT INFORMATION

**Date Cast:** 5/10/2006      **Time Cast:** 5:55

**Date Received:** 5/11/2006

**Placement Location:** INTERIOR SOG EAST HALF

**Placement Method:** TAILGATE

**Placement Vol. (yd<sup>3</sup>):** 84

**Cylinders Made By:** DAC

**Aggregate Size (in):** 3/4

### INITIAL CURING CONDITIONS

**Temperatures**

**Minimum (°F)**                      **Maximum (°F)**

### DELIVERY INFORMATION

**Admixtures:** FIBERMESH & MRWR

### TEST RESULTS

**Slump (in) (C-143):**                      **Slump WR:** 5.75

**Load Number:** 2

**Air Content (%) (C-231):**                      **Air WR:** 5.9

**Mixer Number:** 39

**Air Temp (°F):** 45

**Ticket Number:** 87972

**Conc. Temp (°F) (C-1064):** 60

**Cubic Yards:** 11

**Design (psi):** 3500

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) <sup>2</sup>	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
601-5A		6.00	28.27	5/17/2006	Lab	7	4	72.5	2570
601-5B		6.00	28.27	6/7/2006	Lab	28	4	97.0	3430
601-5C		6.00	28.27	6/7/2006	Lab	28	4	98.0	3470
601-5D		6.00	28.27	7/5/2006	Lab	56	4	103.0	3640

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks:

**Report of Concrete Compressive Strength**

ASTM C-31 & C-39

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**Client Contract Number:**

**General Contractor:**

**Concrete Supplier:** P&K READY MIX

**PLACEMENT INFORMATION**

**Date Cast:** 5/10/2006      **Time Cast:** 7:20

**Date Received:** 5/11/2006

**Placement Location:** INTERIOR SOG EAST HALF

**Placement Method:** TAILGATE

**Placement Vol. (yd³):** 84

**Cylinders Made By:** DAC

**Aggregate Size (in):** 3/4

**INITIAL CURING CONDITIONS**

**Temperatures**

**Minimum (°F)**                      **Maximum (°F)**

**DELIVERY INFORMATION**

**Admixtures:** FIBERMESH & MRWR

**TEST RESULTS**

**Slump (in) (C-143):**                      **Slump WR:** 5.25

**Load Number:** 5

**Air Content (%) (C-231):**                      **Air WR:** 6.6

**Mixer Number:** 48

**Air Temp (°F):** 48

**Ticket Number:** 87975

**Conc. Temp (°F) (C-1064):** 60

**Cubic Yards:** 11

**Design (psi):** 3500

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)
601-6A		6.00	28.27	5/17/2006	Lab	7	4	62.0	2190
601-6B		6.00	28.27	6/7/2006	Lab	28	4	87.0	3080
601-6C		6.00	28.27	6/7/2006	Lab	28	4	90.5	3200
601-6D		6.00	28.27	7/5/2006	Lab	56	4	96.5	3410

**Fracture Types**



Cone



Cone and Split



Cone and Shear



Shear



Columnar

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**Concrete Supplier:** P&K READY MIX

### PLACEMENT INFORMATION

**Date Cast:** 5/11/2006      **Time Cast:** 5:58

**Date Received:** 5/12/2006

**Placement Location:** INTERIOR SOG WEST HALF

**Placement Method:** TAILGATE

**Placement Vol. (yd<sup>3</sup>):** 77

**Cylinders Made By:** DAC

**Aggregate Size (in):** 3/4

### INITIAL CURING CONDITIONS

#### Temperatures

**Minimum (°F)**                      **Maximum (°F)**

### DELIVERY INFORMATION

**Admixtures:** FIBERMESH & MRWR

### TEST RESULTS

**Slump (in) (C-143):**                      **Slump WR:** 5.5

**Load Number:** 2

**Air Content (%) (C-231):**                      **Air WR:** 6.2

**Mixer Number:** 48

**Air Temp (°F):** 52

**Ticket Number:** 88009

**Conc. Temp (°F) (C-1064):** 63

**Cubic Yards:** 11

**Design (psi):** 3500

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) <sup>2</sup>	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
601-7A		6.00	28.27	5/18/2006	Lab	7	4	62.0	2190
601-7B		6.00	28.27	6/8/2006	Lab	28	4	93.5	3310
601-7C		6.00	28.27	6/8/2006	Lab	28	4	95.5	3380
601-7D		6.00	28.27	7/6/2006	Lab	56	4	94.0	3330

#### Fracture Types



1  
Cone



2  
Cone and Split



3  
Cone and Shear



4  
Shear



5  
Columnar

Remarks:

## Report of Concrete Compressive Strength

ASTM C-31 &amp; C-39

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**Client Contract Number:**
**General Contractor:**
**Concrete Supplier:** P&K READY MIX

### PLACEMENT INFORMATION

**Date Cast:** 5/11/2006      **Time Cast:** 7:50

**Date Received:** 5/12/2006

**Placement Location:** INTERIOR SOG WEST HALF

**Placement Method:** TAILGATE

**Placement Vol. (yd³):** 77

**Cylinders Made By:** DAC

**Aggregate Size (in):** 3/4

### INITIAL CURING CONDITIONS

#### Temperatures

**Minimum (°F)**                      **Maximum (°F)**

### DELIVERY INFORMATION

**Admixtures:** FIBERMESH & MRWR

### TEST RESULTS

**Slump (in) (C-143):**                      **Slump WR:** 6.25

**Load Number:** 6

**Air Content (%) (C-231):**                      **Air WR:** 5.8

**Mixer Number:** 46

**Air Temp (°F):** 55

**Ticket Number:** 88015

**Conc. Temp (°F) (C-1064):** 61

**Cubic Yards:** 11

**Design (psi):** 3500

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) <sup>2</sup>	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
601-8A		6.00	28.27	5/18/2006	Lab	7	4	66.5	2350
601-8B		6.00	28.27	6/8/2006	Lab	28	4	93.5	3310
601-8C		6.00	28.27	6/8/2006	Lab	28	4	91.0	3220
601-8D		6.00	28.27	7/6/2006	Lab	56	4	101.0	3570

#### Fracture Types



Cone



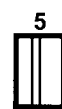
Cone and Split



Cone and Shear



Shear



Columnar

Remarks: