

Final Report of Special Inspections

CASE Council of American Structural Engineers

Project: FORE RIVER MEDICAL PAVILION

Location: PORTLAND, MAINE

Owner: LANDMARK HEALTHCARE FACILITIES, LLC

Owner's Address: 839 N. JEFFERSON ST., MILWAUKEE, WISCONSIN 53202

Architect of Record: FRANCIS CAUFFMAN

Structural Engineer of Record: ROBERT E. CHESTER ASSOCIATES

To the best of my information, knowledge and belief, the Special Inspections required for this project, and itemized in the *Statement of Special Inspections* submitted for permit, have been performed and all discovered discrepancies have been reported and resolved other than the following:

Comments:

No unresolved discrepancies outstanding.

(Attach continuation sheets if required to complete the description of corrections.)

Interim reports submitted prior to this final report form a basis for and are to be considered an integral part of this final report.

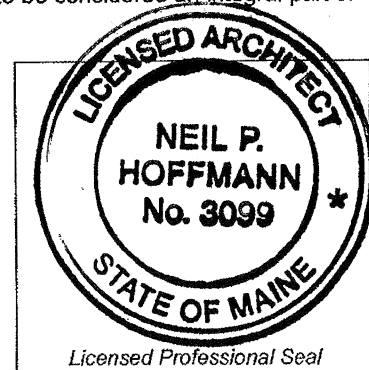
Respectfully submitted,
Special Inspector

Neil P. Hoffmann, AIA

(Type or print name)


Signature

03/04/08
Date



Project Name: PORTLAND - MERCY MEDICAL OFFICE BUILDING - MATERIALS TESTING

Project Number: 06-0588.2

Client: LANDMARK HEALTHCARE FACILITIES LLC

Client Contract Number:
General Contractor:
Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 2/8/2008 **Time Cast:** 8:15 **Date Received:** 2/11/2008
Placement Location: LINE A TO B.5, 1 TO 2.5 SLAB ON GRADE
Placement Method: PUMP* **Placement Vol. (yd³):** 30
Cylinders Made By: VLT **Aggregate Size (in):** 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

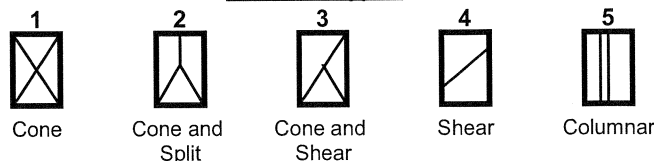
Admixtures: POLYHEED 997
 POZZUTEC 20 - 2%

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 5 3/4 **Load Number:** 2
Air Content (%) (C-231): **Air WR:** 3.0 **Mixer Number:** 176
Air Temp (°F): 20 **Ticket Number:** 3929315
Conc. Temp (°F) (C-1064): 60 **Cubic Yards:** 10
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)
730-34A		6.00	28.27	2/15/2008	Lab	7	4	96.0	3400
730-34B				3/7/2008	Lab	28			
730-34C				3/7/2008	Lab	28			
730-34D				Hold	Lab				

Fracture Types



Remarks: * NORHTEAST CONCRETE PUMPING

Quality Assurance Labs Inc.

NON-DESTRUCTIVE TESTING AND INSPECTION SERVICES

80 PLEASANT AVENUE • SOUTH PORTLAND, MAINE 04106 • TEL: (207) 799-8911 • FAX: (207) 799-7251

INSPECTION REPORT

CUSTOMER: S.W. COLE ENG.		PAGE 1 OF 1	
ADDRESS: GRAY, ME.			
ATTENTION: ROGER DOMINGO			
COPIES:			
PROJECT: FORE RIVER MEDICAL PAVILION		<div style="border: 1px solid black; padding: 5px; display: inline-block;"> RECEIVED JUL 26 S.W. COLE - GRAY </div>	
OWNER:			
CONTRACTOR: LEDGEWOOD CONSTRUCTION			
JOB No.: 06-0588.2	REPORT No.: QAL-07-1205	P.O. NUMBER:	DATES INSPECTED: 07-05-07

REMARKS

VISUAL INSPECTION OF STRUCTURAL STEEL CONNECTIONS : GRID LINES 1 - 4, A - H, ALL LEVELS .

> ROOF FRAMING PLAN :

- A) DECK PUDDLE WELDS APPROX. 95% COMPLETE . PERIMETER AND ELEVATOR, HVAC AREAS SHOW WORK STILL IN-PROGRESS FOR WELDS AND SCREWS .
- B) ROOF CURTAIN WALL HSS CONNECTIONS APPROX. 75% COMPLETE , SOME LOCATIONS MARKED FOR REWORK .
- C) RAISED ROOF AREAS SHOW HVAC AND ELEVATOR STEEL WITH UN-TORQUED T/C BOLTS .

> STAIR SUPPORT CONNECTIONS AT A-LINE COMPLETE .

> VARIOUS LEVELS AND LOCATIONS MARKED WITH BLUE FLAG TAPE TO IDENTIFY UN-TORQUED T/C BOLTS .

> ELEVATOR SHAFT AREAS STILL SHOW MISSING WEB CLIP TOP AND BOTTOM RETURN WELDS . PLUS UN-TORQUED T/C BOLTS AT ALL LEVELS .

> THIRD LEVEL COLUMN TO COLUMN WEB SPLICE T/C BOLT CONNECTIONS COMPLETE .

COMPLETED ITEMS COMPLY WITH SITE DOCUMENTS AND AWS D1.1 , D1.3 REQUIREMENTS FOR VISUAL ACCEPTANCE .

END ITEMS ///

FAA REPAIR STATION NUMBER RX5R187N
 METHOD(S),PROCESS(ES),PROCEDURE(S) MERCURY FREE

257

ADDITIONAL INFORMATION - SEE ATTACHED: <input type="checkbox"/> SKETCH(ES) <input type="checkbox"/> SUPPLEMENTARY SHEET(S) <input type="checkbox"/> NDI REPORTS <input type="checkbox"/> VIDEO			
SIGNATURES		CERTIFICATION	DATE
INSPECTOR MICHAEL DREW CWI# 99050211	<i>Michael Drew</i>	LEVEL	M D Y
			07 06 07
SUPERVISOR			

Quality Assurance Labs Inc.

NON-DESTRUCTIVE TESTING AND INSPECTION SERVICES

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INSPECTION REPORT

CUSTOMER: S.W. COLE ENG.			PAGE 1 OF 1
ADDRESS: GRAY, ME.			
ATTENTION: ROGER DOMINGO			
COPIES:			
PROJECT: FORE RIVER MEDICAL PAVILION			
OWNER:			
CONTRACTOR: LEDGEWOOD CONSTRUCTION			
JOB No.: 06-0588.2	REPORT No.: QAL-07-1533	P.O. NUMBER:	DATES INSPECTED: 08 - 17 - 07

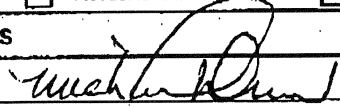
REMARKS

VISUAL INSPECTION OF ANGLE LINTELS TO HSS HEADERS AND LIGHT GAUGE WALL ATTACHMENTS :

> AREA GRID LINE (1) F - H SHOWS TOP AND BOTTOM WELDS COMPLY WITH SITE DRAWINGS FOR SIZE AND LOCATION. COMPLETED WELDMENTS MEET AWS D1.1 REQUIREMENTS FOR PRE-QUALIFIED FILLER METAL AND BASE METAL COMBINATIONS.

END ITEMS ///

FAA REPAIR STATION NUMBER RX5R187N
 METHOD(S),PROCESS(ES),PROCEDURE(S) MERCURY FREE

ADDITIONAL INFORMATION - SEE ATTACHED:				<input type="checkbox"/> SKETCH(S)	<input type="checkbox"/> SUPPLEMENTARY SHEET(S)	<input type="checkbox"/> NDT REPORTS	<input type="checkbox"/> VIDEO			
SIGNATURES						CERTIFICATION		DATE		
INSPECTOR MICHAEL DREW CWI# 99050211 						LEVEL		M	D	Y
						CWI		08	17	07
SUPERVISOR										

Aug. 17. 2007 1:02PM

NO. 0113 P. 1

Quality Assurance Labs Inc.

NON-DESTRUCTIVE TESTING AND INSPECTION SERVICES

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INSPECTION REPORT

PAGE 1 OF 1

CUSTOMER: S.W. COLE ENG.

ADDRESS: GRAY, ME.

ATTENTION: ROGER DOMINGO

COPIES:

PROJECT: FORE RIVER MEDICAL PAVILION

OWNER:

CONTRACTOR: LEDGEWOOD CONSTRUCTION

JOB No.: 06-0588.2

REPORT No.: QAL-07-1533

P. O. NUMBER:

DATE(S) INSPECTED: 08-17-07

REMARKS

VISUAL INSPECTION OF ANGLE LINTELS TO HSS HEADERS AND LIGHT GAUGE WALL ATTACHMENTS:
> AREA GRID LINE (1) F-H SHOWS TOP AND BOTTOM WELDS COMPLY WITH SITE DRAWINGS FOR SIZE AND LOCATION. COMPLETED WELDMENTS MEET AWS D1.1 REQUIREMENTS FOR PRE-QUALIFIED FILLER METAL AND BASE METAL COMBINATIONS.

END ITEMS ///

FAA REPAIR STATION NUMBER RX5R187N
METHOD(S), PROCESS(ES), PROCEDURE(S) MERCURY FREE

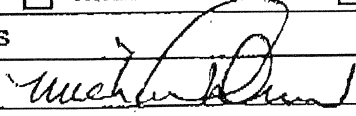
ADDITIONAL INFORMATION - SEE ATTACHED:

SKETCH(ES) SUPPLEMENTARY SHEET(S) NDT REPORTS VIDEO

SIGNATURES

CERTIFICATION	DATE		
	LEVEL	M	D Y
CWI		08	17 07

INSPECTOR MICHAEL DREW CWI# 99050211



SUPERVISOR

Final Report of Special Inspections

CASE Council of American Structural Engineers

Project:

Location:

Owner:

Owner's Address:

Architect of Record:

Structural Engineer of Record:

To the best of my information, knowledge and belief, the Special Inspections required for this project, and itemized in the *Statement of Special Inspections* submitted for permit, have been performed and all discovered discrepancies have been reported and resolved other than the following:

Comments:

(Attach continuation sheets if required to complete the description of corrections.)

Interim reports submitted prior to this final report form a basis for and are to be considered an integral part of this final report.

Respectfully submitted,
Special Inspector

(Type or print name)

Signature

Date

Licensed Professional Seal

Final Report of Special Inspections

CASE Council of American Structural Engineers

Agent's Final Report

Project:

Agent:

Special Inspector:

To the best of my information, knowledge and belief, the Special Inspections or testing required for this project, and designated for this Agent in the *Statement of Special Inspections* submitted for permit, have been performed and all discovered discrepancies have been reported and resolved other than the following:

Comments:

(Attach continuation sheets if required to complete the description of corrections.)

Respectfully submitted,
Agent of the Special Inspector

(Type or print name)

Signature

Date

*Licensed Professional Seal or
Certification*



Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - MERCY MEDICAL OFFICE BUILDING - MATERIALS TESTING

Project Number: 06-0588.2

Client: LANDMARK HEALTHCARE FACILITIES LLC

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 6/21/2007 **Time Cast:** 7:50 **Date Received:** 6/22/2007

Placement Location: 4TH FLOOR DECK - LINE A-H, 1-4

Placement Method:

Placement Vol. (yd³): 320

Cylinders Made By: VLT

Aggregate Size (in): 3/8

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 997

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 8.75

Load Number: 7

Air Content (%) (C-231): **Air WR:** 7.5

Mixer Number: 156

Air Temp (°F): 62

Ticket Number: 392417

Conc. Temp (°F) (C-1064): 72

Cubic Yards: 10

Design (psi): 4000

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)
730-28A		6.00	28.27	6/28/2007	Lab	7	4	94.0	3330
730-28B		6.00	28.27	7/19/2007	Lab	28	4	112.5	3980
730-28C		6.00	28.27	7/19/2007	Lab	28	4	122.0	4320
730-28D		6.00	28.27	8/16/2007	Lab	56	4	124.0	4390
730-28E				Hold	Lab				
730-28F				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: LIGHTWEIGHT CONCRETE - WET UNIT WEIGHT IS 118.9pcf DRY OVEN WEIGHT: 730-28A=108.2pcf, 730-28B=109.8pcf

286 Portland Road, Gray, ME 04039-9586 • Tel (207) 657-2866 • Fax (207) 657-2840 • www.swcole.com

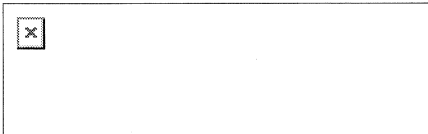
Joe Bumps

From: Roger Domingo [rdomingo@swcole.com]
Sent: Monday, March 03, 2008 4:53 PM
To: jbumps@ledgewoodconstruction.com
Subject: Final Inspection report

Roger E. Domingo
Construction Services Manager

S. W. Cole Engineering, Inc.
286 Portland Road
Gray, ME 04039-9586

Phone: (207) 657-2866
Fax: (207) 657-2840
Cell: (207) 615-2762
E-mail: rdomingo@swcole.com



www.swcole.com

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Joe Bumps

From: Joe Bumps [jbumps@ledgewoodconstruction.com]
Sent: Friday, December 28, 2007 7:36 AM
To: pbrown@swcole.com
Subject: RE: Mercy Hosp. MOB concrete report

Peggy; We do not have a oil tank slab at the Fore River Medical Building, This report may be for the Mercy Hospital, Gilbane Construction?

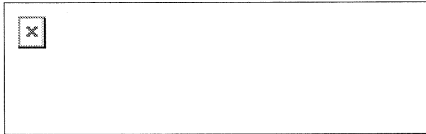
-----Original Message-----

From: Peggy Brown [mailto:pbrown@swcole.com]
Sent: Thursday, December 27, 2007 3:26 PM
To: 'Jeremy Pollis'; 'Jim Duncan'; 'Joe Bumps'; 'Kevin McCosh'; 'Ted Staples of NewBanksBoston'
Subject: Mercy Hosp. MOB concrete report

Peggy Brown
Administrative Assistant

S. W. Cole Engineering, Inc.
286 Portland Road
Gray, ME 04039-9586

Phone: (207) 657-2866
Fax: (207) 657-2840
E-mail: pbrown@swcole.com



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Joe Bumps

From: scanned@ledgewoodconstruction.com

Sent: Monday, August 20, 2007 9:27 AM

To: jbumps@ledgewoodconstruction.com

Subject: Message from KMBT_420

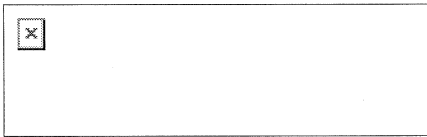
Joe Bumps

From: Peggy Brown [pbrown@swcole.com]
Sent: Monday, August 20, 2007 3:43 PM
To: 'Jeremy Pollis'; 'Jim Duncan'; 'Joe Bumps '; 'Kevin McCosh'; 'Ted Staples of NewBanksBoston'
Subject: Mercy Hosp. Quality Assurance reports

Peggy Brown
Administrative Assistant

S. W. Cole Engineering, Inc.
286 Portland Road
Gray, ME 04039-9586

Phone: (207) 657-2866
Fax: (207) 657-2840
E-mail: pbrown@swcole.com



www.swcole.com

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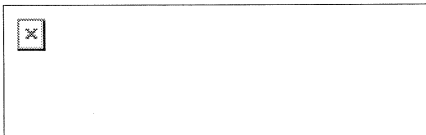
Joe Bumps

From: Peggy Brown [pbrown@swcole.com]
Sent: Friday, August 17, 2007 10:41 AM
To: 'Jeremy Pollis'; 'Jim Duncan'; 'Joe Bumps '; 'Kevin McCosh'; 'Ted Staples of NewBanksBoston'
Subject: Mercy Hosp. Medical Office Building concrete report

Peggy Brown
Administrative Assistant

S. W. Cole Engineering, Inc.
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Gray, ME 04039-9586

Phone: (207) 657-2866
Fax: (207) 657-2840
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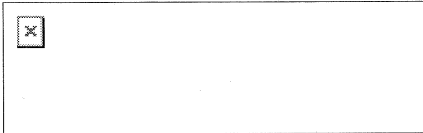
Joe Bumps

From: Peggy Brown [pbrown@swcole.com]
Sent: Wednesday, August 01, 2007 12:02 PM
To: 'Jeremy Pollis'; 'Jim Duncan'; 'Joe Bumps '; 'Kevin McCosh'; 'Ted Staples of NewBanksBoston'
Subject: Mercy Hosp. MOB concrete reports

Peggy Brown
Administrative Assistant

S. W. Cole Engineering, Inc.
286 Portland Road
Gray, ME 04039-9586

Phone: (207) 657-2866
Fax: (207) 657-2840
E-mail: pbrown@swcole.com



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Joe Bumps

From: Peggy Brown [pbrown@swcole.com]
Sent: Wednesday, August 15, 2007 10:22 AM
To: jbumps@ledgewoodconstruction.com
Subject: RE: Mercy MOB concrete report

Hello Joe:

I spoke with Roger Domingo. You are correct. Thank you for bringing this to my attention.
Peggy

From: Joe Bumps [mailto:jbumps@ledgewoodconstruction.com]
Sent: Tuesday, August 14, 2007 1:13 PM
To: pbrown@swcole.com
Subject: RE: Mercy MOB concrete report

Peggy; This report is not ours, maybe Gilbane?

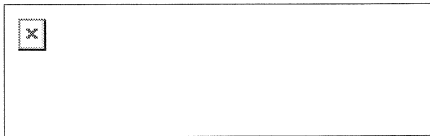
-----Original Message-----

From: Peggy Brown [mailto:pbrown@swcole.com]
Sent: Tuesday, August 14, 2007 11:47 AM
To: 'Jeremy Pollis'; 'Jim Duncan'; 'Joe Bumps'; 'Kevin McCosh'; 'Ted Staples of NewBanksBoston'
Subject: Mercy MOB concrete report

Peggy Brown
Administrative Assistant

S. W. Cole Engineering, Inc.
286 Portland Road
Gray, ME 04039-9586

Phone: (207) 657-2866
Fax: (207) 657-2840
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Joe Bumps

From: Joe Bumps [jbumps@ledgewoodconstruction.com]
Sent: Friday, July 27, 2007 3:34 PM
To: Peggy Brown
Subject: FW: Masonry Special Inspections

Peggy this e-mail got returned to me as undeliverable to Roger , could you get a copy of this to him for me thanks . Joe Bumps

-----Original Message-----

From: Joe Bumps [mailto:jbumps@ledgewoodconstruction.com]
Sent: Friday, July 27, 2007 3:25 PM
To: Roger Domingo
Cc: Richard Stoughton; Kevin McCosh
Subject: Masonry Special Inspections

Roger, your tech. Dave was onsite yesterday 07-26-07, he mentioned you had told him that Fore River Med. Pav. was suppose to be inspected during the masonry phase under the Special Inspection Statement (Seismic Conditions). I couldn't find anything about this in my Statement of Special Inspections, could you let me know about this item.Thanks Joe B.

Joe Bumps
Project Superintendent

Ledgewood Construction
PO Box 8107
Portland, ME 04104
207-767-1866
fax 207-767-1869

jbumps@ledgewoodconstruction.com
<http://www.ledgewoodconstruction.com>

Joe Bumps

From: Joe Bumps [jbumps@ledgewoodconstruction.com]
Sent: Friday, July 27, 2007 3:25 PM
To: Roger Domingo
Cc: Richard Stoughton; Kevin McCosh
Subject: Masonry Special Inspections

Roger, your tech. Dave was onsite yesterday 07-26-07, he mentioned you had told him that Fore River Med. Pav. was suppose to be inspected during the masonry phase under the Special Inspection Statement (Seismic Conditions). I couldn't find anything about this in my Statement of Special Inspections, could you let me know about this item.Thanks Joe B.

Joe Bumps

Project Superintendent

Ledgewood Construction

PO Box 8107
Portland, ME 04104
207-767-1866
fax 207-767-1869

jbumps@ledgewoodconstruction.com
<http://www.ledgewoodconstruction.com>

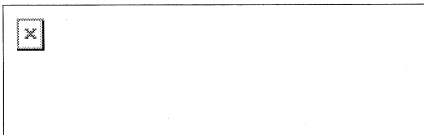
Joe Bumps

From: Peggy Brown [pbrown@swcole.com]
Sent: Friday, July 20, 2007 12:04 PM
To: 'Jeremy Pollis'; 'Jim Duncan'; 'Joe Bumps'; 'Kevin McCosh'; 'Ted Staples of NewBanksBoston'
Subject: Mercy MOB Quality Assurance Lab report

Peggy Brown
Administrative Assistant

S. W. Cole Engineering, Inc.
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Gray, ME 04039-9586

Phone: (207) 657-2866
Fax: (207) 657-2840
E-mail: pbrown@swcole.com



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Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - MERCY MEDICAL OFFICE BUILDING - MATERIALS TESTING

Project Number: 06-0588.2

Client: LANDMARK HEALTHCARE FACILITIES LLC

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 6/26/2007 **Time Cast:** 9:00 **Date Received:** 6/27/2007

Placement Location: ELEVATOR PIT & STAIR TOWER

Placement Method:

Placement Vol. (yd³): 34

Cylinders Made By: VLT

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: NO AIR

TEST RESULTS

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

Load Number: 3

Air Content (%) (C-231): **Air WR:** 2.1

Mixer Number: 173

Air Temp (°F): 80

Ticket Number: 3927448

Conc. Temp (°F) (C-1064): 76

Cubic Yards: 8

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)
730-32A		6.00	28.27	7/3/2007	Lab	7	4	93.0	3290
730-32B		6.00	28.27	7/24/2007	Lab	28	4	119.5	4230
730-32C		6.00	28.27	7/24/2007	Lab	28	4	108.5	3840
730-32D				Hold	Lab				

Fracture Types



1
Cone



2
Cone and Split



3
Cone and Shear



4
Shear



5
Columnar

Remarks:

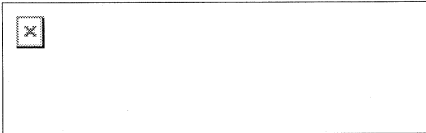
Joe Bumps

From: Peggy Brown [pbrown@swcole.com]
Sent: Wednesday, July 18, 2007 9:01 AM
To: 'Jeremy Pollis'; 'Jim Duncan'; 'Joe Bumps '; 'Kevin McCosh'; 'Ted Staples of NewBanksBoston'
Subject: Mercy Hospital Concrete Reports

Peggy Brown
Administrative Assistant

S. W. Cole Engineering, Inc.
286 Portland Road
Gray, ME 04039-9586

Phone: (207) 657-2866
Fax: (207) 657-2840
E-mail: pbrown@swcole.com



www.swcole.com

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Project Name: PORTLAND - MERCY MEDICAL OFFICE BUILDING - MATERIALS TESTING

Project Number: 06-0588.2

Client: LANDMARK HEALTHCARE FACILITIES LLC

Client Contract Number:
General Contractor:
Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 6/26/2007 **Time Cast:** 7:45 **Date Received:** 6/27/2007

Placement Location: ROOF PADS

Placement Method:
Placement Vol. (yd³): 34

Cylinders Made By: VLT

Aggregate Size (in): 3/8

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 997 - NO AIR

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 7
Air Content (%) (C-231): **Air WR:** 4.75
Air Temp (°F): 80
Conc. Temp (°F) (C-1064): 76

Load Number: 2
Mixer Number: 192
Ticket Number: 3927447
Cubic Yards: 10.5
Design (psi): 4000

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)
730-31A		6.00	28.27	7/3/2007	Lab	7	4	106.5	3770
730-31B		6.00	28.27	7/24/2007	Lab	28	4	138.0	4880
730-31C		6.00	28.27	7/24/2007	Lab	28	4	129.5	4580
730-31D				Hold	Lab				
730-31E				Hold	Lab				
730-31F				Hold	Lab				

Fracture Types


 1
Cone

 2
Cone and Split

 3
Cone and Shear

 4
Shear

 5
Columnar

Remarks: LIGHTWEIGHT CONCRETE: WET UNIT WEIGHT IS 122.8pcf DRY OVEN WEIGHT: 730-31A=114.9pcf, 730-31B=117.3pcf

Quality Assurance Labs Inc.

NON-DESTRUCTIVE TESTING AND INSPECTION SERVICES

80 PLEASANT AVENUE • SOUTH PORTLAND, MAINE 04106 • TEL: (207) 799-8911 • FAX: (207) 799-7251

INSPECTION REPORT

CUSTOMER: S. W. COLE			PAGE 1 OF 1
ADDRESS: GRAY, ME.			
ATTENTION: ROGER DOMINGO			
COPIES:			
PROJECT: FORE RIVER MEDICAL PAVILLION			
OWNER: FORE RIVER MEDICAL PAVILLION			
CONTRACTOR: LEDGEWOOD CONSTRUCTION			
JOB No.: 06-0588.2	REPORT No.: QAL-07-1310	P. O. NUMBER:	DATE INSPECTED: 07-19-07

REMARKS

FINAL VISUAL INSPECTION OF STRUCTURAL STEEL CONNECTIONS: GRID LINES 1-4, A-H, ALL LEVELS.

> REF. PREVIOUS FIELD REPORT DATED 7-12-07 FOR PUNCH LIST ITEMS.

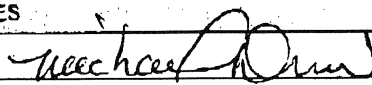
- A) ENTRANCE CANOPY'S STILL SHOW INCOMPLETE PERIMETER DECK ATTACHMENTS.
- B) BASEMENT STAIR FRAMING PLAN SHOWS (2) WEB CLIPS MARKED FOR TOP & BOTTOM RETURNS AT LINE G.8.

ALL REMAINING ITEMS NOW COMPLETE. HOWEVER, EXTERIOR LINTELS ARE IN-PROGRESS.

COMPLETED ITEMS COMPLY WITH SITE DOCUMENTS AND AWS D1.1 REQUIREMENTS FOR VISUAL ACCEPTANCE.

END ITEMS ///

FAA REPAIR STATION NUMBER RX6R187N
METHOD(S),PROCESS(ES),PROCEDURE(S) MERCURY FREE

ADDITIONAL INFORMATION - SEE ATTACHED:		<input type="checkbox"/> SKETCH(S)	<input type="checkbox"/> SUPPLEMENTARY SHEET(S)	<input type="checkbox"/> NDT REPORTS	<input type="checkbox"/> VIDEO
SIGNATURES				CERTIFICATION	DATE
INSPECTOR MICHAEL DREW CWI# 99050211 				LEVEL	M D Y
SUPERVISOR					07 19 07

Project Name: PORTLAND - MERCY MEDICAL OFFICE BUILDING - MATERIALS TESTING

Project Number: 06-0588.2

Client: LANDMARK HEALTHCARE FACILITIES LLC

Client Contract Number:
General Contractor:
Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 6/18/2007 **Time Cast:** 10:50 **Date Received:** 6/19/2007

Placement Location: SLAB ON GRADE LINE A 1-4, LINE 1 + 4 D-6.1, LINE H 3-2, LINE D 1-4

Placement Method: PUMP/TAILGATE

Placement Vol. (yd³): 170

Cylinders Made By: VLT

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 997

TEST RESULTS

Slump (in) (C-143):	Slump WR: 6.25	Load Number: 10
Air Content (%) (C-231):	Air WR: 2.0	Mixer Number: 191
Air Temp (°F): 60		Ticket Number: 4526981
Conc. Temp (°F) (C-1064): 73		Cubic Yards: 10
		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)
730-27A		6.00	28.27	6/25/2007	Lab	7	4	116.0	4100
730-27B		6.00	28.27	7/16/2007	Lab	28	4	151.0	5340
730-27C		6.00	28.27	7/16/2007	Lab	28	4	142.5	5040
730-27D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks:

Joe Bumps

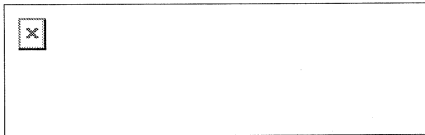
From: Peggy Brown [pbrown@swcole.com]
Sent: Tuesday, July 17, 2007 7:47 AM
To: 'Jeremy Pollis'; 'Jim Duncan'; 'Joe Bumps '; 'Kevin McCosh'; 'Ted Staples of NewBanksBoston'
Subject: Mercy MOB Inspection report

Attached is a Quality Assurance Lab inspection report for your review.
Thank you,

Peggy Brown
Administrative Assistant

S. W. Cole Engineering, Inc.
286 Portland Road
Gray, ME 04039-9586

Phone: (207) 657-2866
Fax: (207) 657-2840
E-mail: pbrown@swcole.com



www.swcole.com

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Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - MERCY MEDICAL OFFICE BUILDING - MATERIALS TESTING

Project Number: 06-0588.2

Client: LANDMARK HEALTHCARE FACILITIES LLC

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 6/12/2007 **Time Cast:** 10:15 **Date Received:** 6/13/2007

Placement Location: 3RD FLOOR DECK

Placement Method: PUMP

Placement Vol. (yd³): 310

Cylinders Made By: VLT

Aggregate Size (in): 3/8

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 997

TEST RESULTS

Slump (in) (C-143):	Slump WR: 6	Load Number: 24
Air Content (%) (C-231):	Air WR: 6.25	Mixer Number: 156
Air Temp (°F): 75		Ticket Number: 3927349
Conc. Temp (°F) (C-1064): 78		Cubic Yards: 10
		Design (psi): 4000

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)
730-24A		6.00	28.27	6/19/2007	Lab	7	4	102.0	3610
730-24B		6.00	28.27	7/10/2007	Lab	28	4	145.0	5130
730-24C		6.00	28.27	7/10/2007	Lab	28	4	147.5	5220
730-24D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: LIGHTWEIGHT CONCRETE: WET UNIT WEIGHT IS 122.3pcf DRY OVEN WEIGHT: 730-24A=111.1pcf, 703-24B=111.8pcf

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Project Name: PORTLAND - MERCY MEDICAL OFFICE BUILDING - MATERIALS TESTING

Project Number: 06-0588.2

Client: LANDMARK HEALTHCARE FACILITIES LLC

Client Contract Number:
General Contractor:
Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 6/18/2007 **Time Cast:** 7:00 **Date Received:** 6/19/2007

Placement Location: SLAB ON GRADE LINE A 1-4, LINE 1 + 4 D-H.1, LINE H 3-2, LINE D 1-4

Placement Method: PUMP/TAILGATE

Placement Vol. (yd³): 170

Cylinders Made By: VLT

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 997

TEST RESULTS

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

Load Number: 2

Air Content (%) (C-231): **Air WR:** 2.0

Mixer Number: 190

Air Temp (°F): 57

Ticket Number: 4526975

Conc. Temp (°F) (C-1064): 72

Cubic Yards: 10

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)
730-25A		6.00	28.27	6/25/2007	Lab	7	4	102.0	3610
730-25B		6.00	28.27	7/16/2007	Lab	28	4	153.5	5430
730-25C		6.00	28.27	7/16/2007	Lab	28	4	140.0	4950
730-25D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: DRY OVEN WEIGHT: 730-25A=109.9pcf, 730-25B=109.8pcf

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - MERCY MEDICAL OFFICE BUILDING - MATERIALS TESTING

Project Number: 06-0588.2

Client: LANDMARK HEALTHCARE FACILITIES LLC

Client Contract Number:
General Contractor:
Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 6/12/2007 **Time Cast:** 9:15 **Date Received:** 6/13/2007
Placement Location: 3RD FLOOR DECK

Placement Method: PUMP
Cylinders Made By: VLT

Placement Vol. (yd³): 310
Aggregate Size (in): 3/8

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 6.5
Air Content (%) (C-231): **Air WR:** 6.25
Air Temp (°F): 70
Conc. Temp (°F) (C-1064): 78

DELIVERY INFORMATION

Admixtures: POLYHEED 997

Load Number: 15
Mixer Number: 183
Ticket Number: 3927340
Cubic Yards: 10
Design (psi): 4000

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)
730-23A		6.00	28.27	6/19/2007	Lab	7	4	97.5	3450
730-23B		6.00	28.27	7/10/2007	Lab	28	4	149.0	5270
730-23C		6.00	28.27	7/10/2007	Lab	28	4	153.0	5410
730-23D				Hold	Lab				
730-23E				Hold	Lab				
730-23F				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: LIGHTWEIGHT CONCRETE: WET UNIT WEIGHT IS 123.4pcf DRY OVEN WEIGHT: 730-23A=112.5pcf, 730-23B=112.9pcf

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Joe Bumps

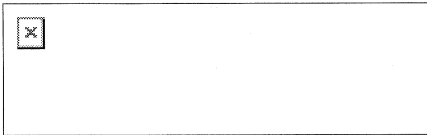
From: Peggy Brown [pbrown@swcole.com]
Sent: Tuesday, July 10, 2007 9:46 AM
To: 'Jim Duncan'; 'Joe Bumps '; 'Kevin McCosh'; 'Ted Staples of NewBanksBoston'
Subject: Mercy MOB report

Attached is a Quality Assurance Labs report for your review.

Peggy Brown
Administrative Assistant

S. W. Cole Engineering, Inc.
286 Portland Road
Gray, ME 04039-9586

Phone: (207) 657-2866
Fax: (207) 657-2840
E-mail: pbrown@swcole.com



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Project Name: PORTLAND - MERCY MEDICAL OFFICE BUILDING - MATERIALS TESTING

Project Number: 06-0588.2

Client: LANDMARK HEALTHCARE FACILITIES LLC

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 6/18/2007 **Time Cast:** 8:40 **Date Received:** 6/19/2007

Placement Location: SLAB ON GRADE LINE A 1-4, LINE 1 + 4 D-H.1, LINE H 3-2, LINE D 1-4

Placement Method: PUMP/TAILGATE

Placement Vol. (yd³): 170

Cylinders Made By: VLT

Aggregate Size (in): 3/8

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

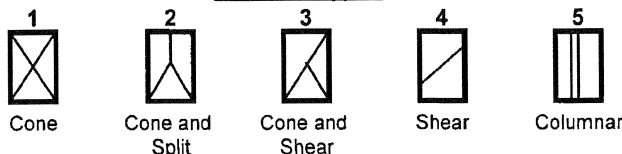
Admixtures: POLYHEED 997

TEST RESULTS

Slump (in) (C-143):	Slump WR: 5.5	Load Number: 5
Air Content (%) (C-231):	Air WR: 5.75	Mixer Number: 176
Air Temp (°F): 58		Ticket Number: 3927382
Conc. Temp (°F) (C-1064): 74		Cubic Yards: 10
		Design (psi): 4000

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)
730-26A		6.00	28.27	6/25/2007	Lab	7	4	117.5	4160
730-26B		6.00	28.27	7/16/2007	Lab	28	4	150.5	5320
730-26C		6.00	28.27	7/16/2007	Lab	28	4	151.5	5360
730-26D				Hold	Lab				
730-26E				Hold	Lab				
730-26F				Hold	Lab				

Fracture Types



Remarks: LIGHTWEIGHT CONCRETE: WET UNIT WEIGHT IS 122.6pcf DRY OVEN WEIGHT: 730-26E=109.8pcf, 730-26F=110.2pcf

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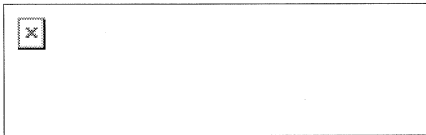
Joe Bumps

From: Peggy Brown [pbrown@swcole.com]
Sent: Tuesday, July 10, 2007 8:23 AM
To: 'Jim Duncan'; 'Joe Bumps '; 'Kevin McCosh'; 'Ted Staples of NewBanksBoston'
Subject: Mercy MOB concrete reports

Peggy Brown
Administrative Assistant

S. W. Cole Engineering, Inc.
286 Portland Road
Gray, ME 04039-9586

Phone: (207) 657-2866
Fax: (207) 657-2840
E-mail: pbrown@swcole.com



www.swcole.com

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Joe Bumps

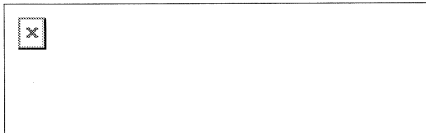
From: Peggy Brown [pbrown@swcole.com]
Sent: Thursday, July 05, 2007 11:29 AM
To: 'Jim Duncan'; 'Joe Bumps '; 'Kevin McCosh'; 'Ted Staples of NewBanksBoston'
Subject: Mercy MOB

Attached are concrete reports for the Mercy MOB.
Thank you,

Peggy Brown
Administrative Assistant

S. W. Cole Engineering, Inc.
286 Portland Road
Gray, ME 04039-9586

Phone: (207) 657-2866
Fax: (207) 657-2840
E-mail: pbrown@swcole.com



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Quality Assurance Labs Inc.

NON-DESTRUCTIVE TESTING AND INSPECTION SERVICES

80 PLEASANT AVENUE • SOUTH PORTLAND, MAINE 04106 • TEL: (207) 799-8911 • FAX: (207) 799-7251

INSPECTION REPORT

CUSTOMER: S.W. COLE ENG.		PAGE 1 OF 1	
ADDRESS: GRAY, ME.			
ATTENTION: ROGER DOMINGO			
COPIES:			
PROJECT: FORE RIVER MEDICAL PAVILLION			
OWNER:			
CONTRACTOR: LEDGEWOOD CONSTRUCTION			
JOB No.: 06-0588.2	REPORT No.: QAL-07-1266	P. O. NUMBER:	DATES INSPECTED: 07-12-07

REMARKS

VISUAL INSPECTION OF STRUCTURAL STEEL CONNECTIONS AT ALL LEVELS : GRID LINES 1 - 4 , A - H .

- > ROOF LEVEL INSPECTION SHOWS HSS CURTAIN WALL CONNECTIONS AT COLUMN THROUGH DECKING MISSING APPROX. 50% WELDED ANGLE BRACES .
- > LOWER LEVEL COLUMNS MARKED WITH BLUE FLAG TAPE TO INDICATE MISSING VERTICLE WELDS AT MOMENT ANGLE CLIPS (APPROX. 4 LOCATIONS)
- > LOWER LEVELS ALSO MARKED WITH BLUE FLAG TAPE TO INDICATE UN-TORQUED T/C BOLTS .
- > ELEVATOR SHAFT AT G - H LINE SHOWS LOWER (3) LEVELS MARKED FOR INCOMPLETE BEAM WEB CLIP WELDS . (TOP AND BOTTOM RETURNS)
- > A.5 LINE AT ROOF LEVEL MARKED FOR EMPTY WEB BOLT HOLES . (8 TOTAL)
- > ENTRANCE CANOPY'S SHOW ALL BOLTED CONNECTIONS COMPLETE . ROOF DECKING AT CANOPY'S SHOW INCOMPLETE PERIMETER PUDDLE ATTACHMENTS .


COMPLETED ITEMS COMPLY WITH SITE DOCUMENTS AND AWS D1.1 , D1.3 REQUIREMENTS FOR VISUAL ACCEPTANCE

END ITEMS ///

FAA REPAIR STATION NUMBER RX5R187N
 METHOD(S),PROCESS(ES),PROCEDURE(S) MERCURY FREE

ADDITIONAL INFORMATION - SEE ATTACHED: SKETCH(ES) SUPPLEMENTARY SHEET(S) NDT REPORTS VIDEO

SIGNATURES

INSPECTOR MICHAEL DREW CWI# 99050211 

CERTIFICATION LEVEL	DATE		
	M	D	Y
	07	13	07

SUPERVISOR

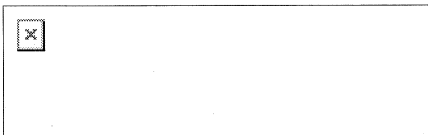
Joe Bumps

From: Peggy Brown [pbrown@swcole.com]
Sent: Friday, June 29, 2007 3:43 PM
To: 'Jim Duncan'; 'Joe Bumps '; 'Kevin McCosh'; 'Ted Staples of NewBanksBoston'
Subject: Mercy MOB concrete reports

Peggy Brown
Administrative Assistant

S. W. Cole Engineering, Inc.
286 Portland Road
Gray, ME 04039-9586

Phone: (207) 657-2866
Fax: (207) 657-2840
E-mail: pbrown@swcole.com



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Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - MERCY MEDICAL OFFICE BUILDING - MATERIALS TESTING

Project Number: 06-0588.2

Client: LANDMARK HEALTHCARE FACILITIES LLC

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 6/7/2007 **Time Cast:** 9:15 **Date Received:** 6/8/2007

Placement Location: 2ND FLOOR DECK

Placement Method: PUMP

Placement Vol. (yd³): 280

Cylinders Made By: VLT/DAC

Aggregate Size (in): 3/8

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures:

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 7.75

Load Number: 13

Air Content (%) (C-231): **Air WR:** 7.7

Mixer Number: 173

Air Temp (°F): 50

Ticket Number: 3927307

Conc. Temp (°F) (C-1064): 70

Cubic Yards: 10

Design (psi): 4000

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)
730-20A		6.00	28.27	6/14/2007	Lab	7	4	84.5	2990
730-20B		6.00	28.27	7/5/2007	Lab	28	4	130.0	4600
730-20C		6.00	28.27	7/5/2007	Lab	28	4	127.5	4510
730-20D				Hold	Lab				
730-20E				Hold	Lab				
730-20F				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: LIGHTWEIGHT CONCRETE: WET UNIT WEIGHT IS 123.1pcf DRY OVEN WEIGHTS: 730-20A=114.3pcf, 730-20B=114.3pcf

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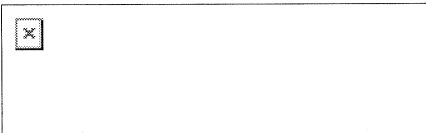
Joe Bumps

From: Peggy Brown [pbrown@swcole.com]
Sent: Tuesday, June 26, 2007 12:44 PM
To: 'Jim Duncan'; 'Joe Bumps '; 'Kevin McCosh'; 'Ted Staples of NewBanksBoston'
Subject: Mercy Hosp. MOB concrete report

Peggy Brown
Administrative Assistant

S. W. Cole Engineering, Inc.
286 Portland Road
Gray, ME 04039-9586

Phone: (207) 657-2866
Fax: (207) 657-2840
E-mail: pbrown@swcole.com



www.swcole.com

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Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - MERCY MEDICAL OFFICE BUILDING - MATERIALS TESTING

Project Number: 06-0588.2

Client: LANDMARK HEALTHCARE FACILITIES LLC

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 5/9/2007 **Time Cast:** 1:20 **Date Received:** 5/10/2007

Placement Location: WALL LINE 1 G TO H, WALL LINE H 4 TO 3

Placement Method:

Placement Vol. (yd³): 76

Cylinders Made By: VLT

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 997

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 4
Air Content (%) (C-231): **Air WR:** 6.7
Air Temp (°F): 80
Conc. Temp (°F) (C-1064): 68

Load Number: 1
Mixer Number: 170
Ticket Number: 4526361
Cubic Yards: 10
Design (psi): 4500

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)
730-17A		6.00	28.27	5/16/2007	Lab	7	4	110.0	3890
730-17B		6.00	28.27	6/6/2007	Lab	28	4	123.5	4370
730-17C		6.00	28.27	6/6/2007	Lab	28	4	127.5	4510
730-17D		6.00	28.27	7/4/2007	Lab	56	4	139.0	4920

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks:

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - MERCY MEDICAL OFFICE BUILDING - MATERIALS TESTING

Project Number: 06-0588.2

Client: LANDMARK HEALTHCARE FACILITIES LLC

Client Contract Number:
General Contractor:
Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 6/7/2007 **Time Cast:** 10:45 **Date Received:** 6/8/2007

Placement Location: 2ND FLOOR SLAB ON DECK

Placement Method: PUMP

Placement Vol. (yd³): 250

Cylinders Made By: VLT/DAC

Aggregate Size (in): 3/8

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 997

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 7.5

Load Number: 23

Air Content (%) (C-231): **Air WR:** 7.0

Mixer Number: 178

Air Temp (°F): 65

Ticket Number: 3927317

Conc. Temp (°F) (C-1064): 70

Cubic Yards: 10

Design (psi): 4000

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)
730-21A		6.00	28.27	6/14/2007	Lab	7	4	99.0	3500
730-21B		6.00	28.27	7/5/2007	Lab	28	4	146.0	5160
730-21C		6.00	28.27	7/5/2007	Lab	28	4	134.0	4740
730-21D				Hold	Lab				
730-21E				Hold	Lab				
730-21F				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: LIGHTWEIGHT CONCRETE: WET UNIT WEIGHT IS 122.9pcf DRY OVEN WEIGHTS: 730-21A=113.0, 730-21B=112.2pcf

286 Portland Road, Gray, ME 04039-9586 • Tel (207) 657-2866 • Fax (207) 657-2840 • www.swcole.com

Quality Assurance Labs Inc.

NON-DESTRUCTIVE TESTING AND INSPECTION SERVICES

80 PLEASANT AVENUE • SOUTH PORTLAND, MAINE 04106 • TEL: (207) 799-8911 • FAX: (207) 799-7251

INSPECTION REPORT

CUSTOMER: S.W. COLE ENG.			PAGE 1 OF 1
ADDRESS: GRAY, ME.			
ATTENTION: ROGER DOMINGO			
COPIES:			
PROJECT: FORE RIVER MEDICAL PAVILION			
OWNER:			
CONTRACTOR: LEDGEWOOD CONSTRUCTION			
JOB No.: 06-0588.2	REPORT No.: QAL-07-1205	P. O. NUMBER:	DATE INSPECTED: 07-03-07

REMARKS

VISUAL INSPECTION OF STRUCTURAL STEEL CONNECTIONS, GRID LINES 1-4, A-H ALL LEVELS.

> ROOF FRAMING PLAN:

- A) DECK PUDDLE WELDS APPROX. 95% COMPLETE. PERIMETER AND ELEVATOR. HVAC AREAS SHOW WORK STILL IN-PROGRESS FOR WELDS AND SCREWS.
- B) ROOF CURTAIN WALL HSS CONNECTIONS APPROX. 75% COMPLETE. SOME LOCATIONS MARKED FOR REWORK.
- C) RAISED ROOF AREAS SHOW HVAC AND ELEVATOR STEEL WITH UN-TORQUED T/C BOLTS.

> STAIR SUPPORT CONNECTIONS AT A-LINE COMPLETE.

> VARIOUS LEVELS AND LOCATIONS MARKED WITH BLUE FLAG TAPE TO IDENTIFY UN-TORQUED T/C BOLTS

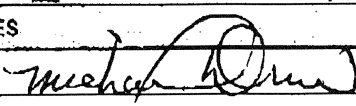
> ELEVATOR SHAFT AREAS STILL SHOW MISSING WEB CLIP TOP AND BOTTOM RETURN WELDS. PLUS UN-TORQUED T/C BOLTS AT ALL LEVELS.

> THIRD LEVEL COLUMN TO COLUMN WEB SPLICE T/C BOLT CONNECTIONS COMPLETE.

COMPLETED ITEMS COMPLY WITH SITE DOCUMENTS AND AWS D1.1, D1.3 REQUIREMENTS FOR VISUAL ACCEPTANCE.

END ITEMS ///

FAA REPAIR STATION NUMBER RX5R187N
METHOD(S),PROCESS(ES),PROCEDURE(S) MERCURY FREE

ADDITIONAL INFORMATION - SEE ATTACHED:		<input type="checkbox"/> SKETCH(ES)	<input type="checkbox"/> SUPPLEMENTARY SHEET(S)	<input type="checkbox"/> NDT REPORTS	<input type="checkbox"/> VIDEO
SIGNATURES				CERTIFICATION	DATE
INSPECTOR	MICHAEL DREW CWI# 99050211			M	D Y
SUPERVISOR				07	06 07



Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - MERCY MEDICAL OFFICE BUILDING - MATERIALS TESTING

Project Number: 06-0588.2

Client: LANDMARK HEALTHCARE FACILITIES LLC

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 6/7/2007 **Time Cast:** 7:45 **Date Received:** 6/8/2007

Placement Location: 2ND FLOOR SLAB ON DECK

Placement Method: PUMP

Placement Vol. (yd³): 280

Cylinders Made By: VLT/DAC

Aggregate Size (in): 3/8

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 997

TEST RESULTS

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

Load Number: 4

Air Content (%) (C-231): **Air WR:** 7.7

Mixer Number: 192

Air Temp (°F): 50

Ticket Number: 3927298

Conc. Temp (°F) (C-1064): 70

Cubic Yards: 10

Design (psi): 4000

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)
730-19A		6.00	28.27	6/14/2007	Lab	7	4	111.0	3930
730-19B		6.00	28.27	7/5/2007	Lab	28	4	156.0	5520
730-19C		6.00	28.27	7/5/2007	Lab	28	4	151.0	5340
730-19D				Hold	Lab				
730-19E				Hold	Lab				
730-19F				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: LIGHTWEIGHT CONCRETE: WET UNIT WEIGHT IS 121.9pcf

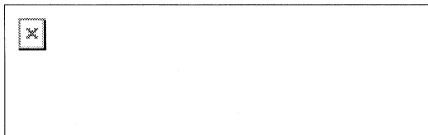
Joe Bumps

From: Peggy Brown [pbrown@swcole.com]
Sent: Wednesday, June 20, 2007 12:57 PM
To: 'Jim Duncan'; 'Joe Bumps '; 'Kevin McCosh'; 'Ted Staples of NewBanksBoston'
Subject: Mercy MOB concrete report

Peggy Brown
Administrative Assistant

S. W. Cole Engineering, Inc.
286 Portland Road
Gray, ME 04039-9586

Phone: (207) 657-2866
Fax: (207) 657-2840
E-mail: pbrown@swcole.com



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Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - MERCY MEDICAL OFFICE BUILDING - MATERIALS TESTING

Project Number: 06-0588.2

Client: LANDMARK HEALTHCARE FACILITIES LLC

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 6/26/2007 **Time Cast:** 9:00 **Date Received:** 6/27/2007
Placement Location: ELEVATOR PIT & STAIR TOWER

Placement Method:

Placement Vol. (yd³): 34

Cylinders Made By: VLT

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: NO AIR

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 5.5
Air Content (%) (C-231): **Air WR:** 2.1
Air Temp (°F): 80
Conc. Temp (°F) (C-1064): 76

Load Number: 3
Mixer Number: 173
Ticket Number: 3927448
Cubic Yards: 8
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)
730-32A		6.00	28.27	7/3/2007	Lab	7	4	93.0	3290
730-32B				7/24/2007	Lab	28			
730-32C				7/24/2007	Lab	28			
730-32D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks:

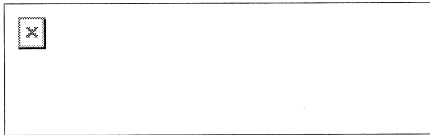
Joe Bumps

From: Peggy Brown [pbrown@swcole.com]
Sent: Tuesday, June 26, 2007 9:29 AM
To: 'Jim Duncan'; 'Joe Bumps '; 'Kevin McCosh'; 'Ted Staples of NewBanksBoston'
Subject: Mercy Fore River Quality Assurance Lab report

Peggy Brown
Administrative Assistant

S. W. Cole Engineering, Inc.
286 Portland Road
Gray, ME 04039-9586

Phone: (207) 657-2866
Fax: (207) 657-2840
E-mail: pbrown@swcole.com



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Joe Bumps

From: Jennifer Wells [jwells@swcole.com]
Sent: Wednesday, February 20, 2008 3:44 PM
To: 'Jim Duncan'; 'Joe Bumps '; 'Kevin McCosh'; 'Ted Staples of NewBanksBoston'; 'Jeremy Pollis'
Subject: 06-0588.2 Mercy MOB

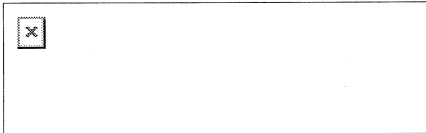
Attached, please find a concrete report for your review. If you have any questions, please do not hesitate to contact the office.

Thank you,

Jennifer Wells
Administrative Assistant

S. W. Cole Engineering, Inc.
286 Portland Road
Gray, ME 04039-9586

Phone: (207) 657-2866
Fax: (207) 657-2840
E-mail: jwells@swcole.com



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Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - MERCY MEDICAL OFFICE BUILDING - MATERIALS TESTING

Project Number: 06-0588.2

Client: LANDMARK HEALTHCARE FACILITIES LLC

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 6/26/2007 **Time Cast:** 7:45 **Date Received:** 6/27/2007

Placement Location: ROOF PADS

Placement Method:

Placement Vol. (yd³): 34

Cylinders Made By: VLT

Aggregate Size (in): 3/8

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 7
Air Content (%) (C-231): **Air WR:** 4.75
Air Temp (°F): 80
Conc. Temp (°F) (C-1064): 76

DELIVERY INFORMATION

Admixtures: POLYHEED 997 - NO AIR

Load Number: 2
Mixer Number: 192
Ticket Number: 3927447
Cubic Yards: 10.5
Design (psi): 4000

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)
730-31A		6.00	28.27	7/3/2007	Lab	7	4	106.5	3770
730-31B				7/24/2007	Lab	28			
730-31C				7/24/2007	Lab	28			
730-31D				Hold	Lab				
730-31E				Hold	Lab				
730-31F				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: LIGHTWEIGHT CONCRETE: WET UNIT WEIGHT IS 122.8pcf DRY OVEN WEIGHT: 730-31A=114.9pcf, 730-31B=117.3pcf

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INSPECTION REPORT

CUSTOMER: S.W COLE ENG.		PAGE 1 OF 1	
ADDRESS: GRAY, ME.			
ATTENTION: ROGER DOMINGO			
COPIES:			
PROJECT: FORE RIVER MEDICAL PAVILION			
OWNER:			
CONTRACTOR: LEDGEWOOD CONSTRUCTION INC.			
JOB No.: 06-0588.2	REPORT No.: QAL-07-0965	P. O. NUMBER:	DATES INSPECTED: 05-29-07

REMARKS

VISUAL INSPECTION OF STRUCTURAL STEEL CONNECTIONS: GRID LINES 1-4, A-H.

> BASEMENT FRAMING PLAN:

- A) I-BEAM TO CMU EMBED CONNECTIONS COMPLETE.
- B) I-BEAM WEB TO WEB CLIP CONNECTIONS REQUIRE TOP AND BOTTOM WELD RETURNS 2" EACH.
- C) HIGH STRENGTH A325 T/C BOLTED CONNECTIONS FOR BEAM TO BEAM CONNECTIONS COMPLETE.
- D) STAIR SUPPORT HANGERS ARE IN-PROGRESS FOR WELD COMPLETION.
- E) COMPOSITE DECKING CONNECTIONS AND SHEAR STUDS COMPLETE.

> SECOND LEVEL FRAMING PLAN:

- A) NUMEROUS LOCATIONS SHOW COLUMN ANCHOR NUTS THAT REQUIRE FINAL TORQUE.
- B) ALL COLUMN LOCATIONS THAT SHOW UNTORQUED 3/4" AND 1" T/C BOLTS ARE MARKED WITH BLUE FLAG TAPE. LOCATIONS ALSO MARKED FOR EXCESS 3/4" BOLT LENGTHS.
- C) DIAGONAL BRACE CONNECTIONS SHOW GRID LINES H. AND 3 WITH INCOMPLETE WELDS AS MARKED.
- D) COMPOSITE DECKING CONNECTIONS AND SHEAR STUDS COMPLETE.

NOTE: NON-COMPLIANCE TO AWS D1.1 ELECTRODE STORAGE REQUIREMENTS. IE: ROD OVEN NOT BEING USED. WELDER CERTIFICATIONS NOT ON FILE AT SITE.

COMPLETED ITEMS COMPLY WITH SITE DRAWINGS AND AWS D1.1, D1.3 REQUIREMENTS FOR VISUAL ACCEPTANCE.

END ITEMS ///

FAA REPAIR STATION NUMBER RX5R187N
METHOD(S), PROCESS(ES), PROCEDURE(S) MERCURY FREE

ADDITIONAL INFORMATION - SEE ATTACHED:			
<input type="checkbox"/> SKETCH(ES)	<input type="checkbox"/> SUPPLEMENTARY SHEET(S)	<input type="checkbox"/> NDT REPORTS	<input type="checkbox"/> VIDEO
SIGNATURES:		CERTIFICATION	DATE
INSPECTOR MICHAEL DREW CWI# 99050211 <i>Michael Drew</i>		ISVS	M D Y
SUPERVISOR		CWI	05 30 07

Joe Bumps

From: Peggy Brown [pbrown@swcole.com]
Sent: Friday, June 15, 2007 3:53 PM
To: 'Jim Duncan'; 'Joe Bumps '; 'Kevin McCosh'; 'Ted Staples of NewBanksBoston'
Subject: Mercy MOB reports

Attached are reports for your review.
Thank you,

Peggy Brown
Administrative Assistant

S. W. Cole Engineering, Inc.
286 Portland Road
Gray, ME 04039-9586

Phone: (207) 657-2866
Fax: (207) 657-2840
E-mail: pbrown@swcole.com



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Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - MERCY MEDICAL OFFICE BUILDING - MATERIALS TESTING

Project Number: 06-0588.2

Client: LANDMARK HEALTHCARE FACILITIES LLC

Client Contract Number:
General Contractor:
Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 4/20/2007 **Time Cast:** 1:45 **Date Received:** 4/21/2007
Placement Location: FOUNDATION WALL; I LINE / A TO E; GRADE BEAM: E LINE 3 TO 4 & PILE CAP E/4; FOUNDATION WALLS ELEVATOR #3; AND GRADE BERAMS FOR ELEVATORS 1 & 2; WALL
Placement Method: PUMP TRUCK **Placement Vol. (yd³):** 75
Cylinders Made By: DAC **Aggregate Size (in):** 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 997

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 58.25 **Load Number:** 4
Air Content (%) (C-231): **Air WR:** 7.0 **Mixer Number:** 181
Air Temp (°F): 62 **Ticket Number:** 4526003
Conc. Temp (°F) (C-1064): 65 **Cubic Yards:** 10
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)
730-11A		6.00	28.27	4/27/2007	Lab	7	4	81.0	2870
730-11B		6.00	28.27	5/18/2007	Lab	28	4	111.5	3940
730-11C		6.00	28.27	5/18/2007	Lab	28	4	125.5	4440
730-11D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks:

Project Name: PORTLAND - MERCY MEDICAL OFFICE BUILDING - MATERIALS TESTING

Project Number: 06-0588.2

Client: LANDMARK HEALTHCARE FACILITIES LLC

Client Contract Number:
General Contractor:
Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 4/24/2007 **Time Cast:** 1:30 **Date Received:** 4/25/2007

Placement Location: TUNNEL WALLS

Placement Method: PUMP

Placement Vol. (yd³): 80

Cylinders Made By: VLT

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 997

TEST RESULTS

Slump (in) (C-143):	Slump WR: 5.75	Load Number: 2
Air Content (%) (C-231):	Air WR: 7.3	Mixer Number: 183
Air Temp (°F): 71		Ticket Number: 4526083
Conc. Temp (°F) (C-1064): 63		Cubic Yards: 10
		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)
730-12A		6.00	28.27	5/1/2007	Lab	7	4	92.0	3250
730-12B		6.00	28.27	5/22/2007	Lab	28	4	128.5	4550
730-12C		6.00	28.27	5/22/2007	Lab	28	4	127.5	4510
730-12D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks:

Joe Bumps

From: Dave Bernier [dbernier@ledgewoodconstruction.com]
Sent: Saturday, June 09, 2007 7:58 AM
To: csh@portlandmaine.gov
Cc: Joe Bumps
Subject: Slab on Deck Placement

Chris; F.Y.I. We will be placing the 3rd floor slab on Tuesday the 12th of June, 18,000 s.f.
We have a tentative date of Friday 15th of June for 1st floor slab on grade partial, slab on deck 1st floor over basement and slab on grade at the basement. The 4th floor slab on deck is schedule for Thursday 21st of June.

Dave Bernier
Superintendent

Ledgewood Construction
PO Box 8107
Portland, ME 04104
207-767-1866
fax 207-767-1869

dbernier@ledgewoodconstruction.com
<http://www.ledgewoodconstruction.com>

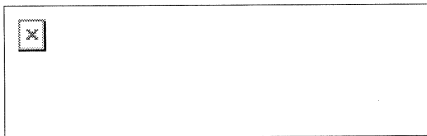
Joe Bumps

From: Peggy Brown [pbrown@swcole.com]
Sent: Friday, May 25, 2007 12:50 PM
To: 'Jim Duncan'; 'Joe Bumps '; 'Kevin McCosh'; 'Ted Staples of NewBanksBoston'
Subject: Mercy MOB reports

Peggy Brown
Administrative Assistant

S. W. Cole Engineering, Inc.
286 Portland Road
Gray, ME 04039-9586

Phone: (207) 657-2866
Fax: (207) 657-2840
E-mail: pbrown@swcole.com



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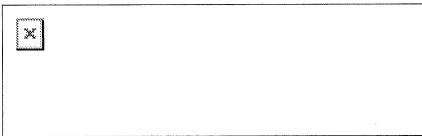
Joe Bumps

From: Peggy Brown [pbrown@swcole.com]
Sent: Thursday, May 31, 2007 1:28 PM
To: 'Jim Duncan'; 'Joe Bumps '; 'Kevin McCosh'; 'Ted Staples of NewBanksBoston'
Subject: Mercy MOB reports

Peggy Brown
Administrative Assistant

S. W. Cole Engineering, Inc.
286 Portland Road
Gray, ME 04039-9586

Phone: (207) 657-2866
Fax: (207) 657-2840
E-mail: pbrown@swcole.com



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Joe Bumps

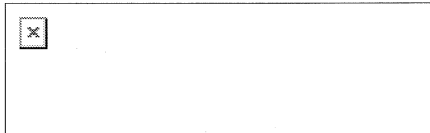
From: Peggy Brown [pbrown@swcole.com]
Sent: Thursday, May 17, 2007 2:35 PM
To: 'Jim Duncan'; 'Joe Bumps '; 'Kevin McCosh'
Subject: Mercy Hospital MOB reports

Attached are reports for your review.
Thank you,

Peggy Brown
Administrative Assistant

S. W. Cole Engineering, Inc.
286 Portland Road
Gray, ME 04039-9586

Phone: (207) 657-2866
Fax: (207) 657-2840
E-mail: pbrown@swcole.com



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Report of Field Density

ASTM D2922

Project: PORTLAND - MERCY MEDICAL OFFICE BUILDING - MATERIALS TESTING

Project Number: 06-0588.2

Client: LANDMARK HEALTHCARE FACILITIES LLC

Field Density Test Results

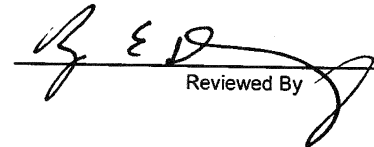
Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
3	5/17/2007	JLD	3 - C.5	29.33	10	6549G	118.4	2.6	100.1	95
4	5/17/2007	JLD	3 - A.5	29.33	10	6549G	118.6	3.4	100.3	95
5	5/17/2007	JLD	1.5 - A.75	29.33	10	6549G	121.2	2.5	102.5	95
6	5/17/2007	JLD	1.5 - B.75	29.33	10	6549G	120.2	2.9	101.6	95

Laboratory Compaction Test Reference

Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
6549G	4/10/2007	From H-pit Stocked On-site	Structural Fill	ASTM D-1557 Modified A	118.3	11.0	

Elevation Notes:

Comments:



 Reviewed By

Joe Bumps

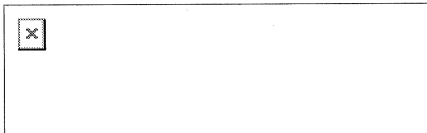
From: Peggy Brown [pbrown@swcole.com]
Sent: Thursday, May 24, 2007 4:25 PM
To: 'Jim Duncan'; 'Joe Bumps '; 'Kevin McCosh'
Subject: Mercy Fore River Pile Installation Summary

Attached is the Pile Installation Summary for your review.
Thank you,

Peggy Brown
Administrative Assistant

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286 Portland Road
Gray, ME 04039-9586

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