PROJECT: Portland Yacht SUBJ: New Yard GAGNON ENGINEERING, INC. ITEM: Legacy Blog BY: 🚣 SHT:____of__ Special Inspections PROJ: Concrete Testing Rebar Pre-Concrete



ASTM C-31 & C-39

Project Name: Portland ME - Portland Yacht Services - Construction

Materials Testing

Project Number:

13-0912.1

Client:

New Yard, LLC

Client Contract Number:

General

Contractor:

Concrete

Supplier: HISSONG CONCRETE

PLACEMENT INFORMATION

Date Cast:

10/31/2013

Time Cast: 11:00

Date Received:

11/1/2013

Placement Location: A LINE 8, 7,6,5,4,3,2,1 1 LINE A,B,D,F FOOTINGS 10X15

Placement Method:

TAILGATE

Cylinders Made By:

CHARLES CROMWELL

Placement Vol. (yd²): 90

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F)

51

Maximum (°F)

DELIVERY INFORMATION

Admixtures:

MICRO AIR

MIDRANGE

TEST RESULTS

Słump (in) (C-143):

Slump WR:

5

Load Number: 2

Batch

Air Content (%) (C-231) Air Temp (°F):

Air WR:

7.0 Mixer Number: 322 Ticket Number 10484

10:16 Arrive

Conc. Temp (°F) (C-1064):

40

Cubic Yards: 10

3000

10:37

57

Design (psl):

Depart

Cylinder Designation	Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) ²
-------------------------	-----------------	------------------------------	---

Cylinder	Cylinder	Cylinder			กละเกิบ	(psi):	3000		11:10
Designation	Weight (lbs)	Diameter (in)	Sectional Area(In) ²		Cure Type	Age (days)	Fracture Type	Load (kips)	Strength
524-1A	8.20	4.64					- 1700	(rips)	(psi)
524-1B		4.01	12.60	11/7/2013	Lab	7	4	38,6	
524-1C	8.25	4.02	12.69	11/28/2013	Lab	28	4	_	3070
524-1D	8.20	4.02	12.72	11/28/2013	Lab	28		60.0	4730
024-1D	8.25			Hold	Lab	Z.O	4	57.0	4480



ends end w/ split









Remarks:



ASTM C-31 & C-39

Project Name: Portland ME - Portland Yacht Services - Construction

Materials Testing

Project Number:

Client Contract Number:

13-0912.1

Client:

General Contractor: New Yard, LLC

Concrete

Supplier: HISSONG CONCRETE

PLACEMENT INFORMATION

Date Cast:

10/31/2013

Time Cast: 12:30

Date Received:

11/1/2013

Placement Location: A LINE 8, 7,6,5,4,3,2,1 1 LINE A,B,D,F FOOTINGS 10X15

Placement Method:

TAILGATE

Cylinders Made By:

CHARLES CROMWELL

Piacement Vol. (yd°): 90

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) 51

Maximum (°F)

64

DELIVERY INFORMATION

Admixtures:

MICRO AIR

MIDRANGE

TEST RESULTS

Slump (in) (C-143):

Slump WR:

5.0

Load Number: 5

Batch

Air Content (%) (C-231)

Air WR:

5.5

Mixer Number: 322

11:57

Air Temp (°F);

40

Ticket Number 10488

Arrive

Conc. Temp (°F) (C-1064);

57

Cubic Yards:

12:13

Design (psi):

10 3000

Depart 12:30

Cylinder Designation	Cylinder Weight (lbs)		Cross Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
524-2A	8.30	3.99	40.47	44/7/0040					
			12.47	11/7/2013	Lab	7	4	41.8	3350
524-2B	8.30	4.02	12.67	11/28/2013	Lab	28	4	60.1	4750
524-2C	8.30	4.01	12.63	11/28/2013	Lab	28	4	65.2	
524-2D	8.35			Hold	Lab	2 0	7	00.2	5160



Cone both ends



end w/ split

Fracture Types Columnar

Diagonal



or bottom



Remarks:



ASTM C-31 & C-39

Project Name: Portland ME - Portland Yacht Services - Construction

Materials Testing

Project Number:

13-0912.1

Client:

New Yard, LLC

Client Contract Number:

General

Contractor:

Concrete

Supplier: HISSONG CONCRETE

PLACEMENT INFORMATION

Date Cast:

10/31/2013

Time Cast: 2:20

Date Received:

11/1/2013

Placement Location: A LINE 8, 7,6,5,4,3,2,1 1 LINE A,B,D,F FOOTINGS 10X15

Placement Method:

TAILGATE

Cylinders Made By:

CHARLES CROMWELL

Placement Vol. (yd²): 90

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

51

Minimum (°F)

Maximum (°F)

64

Air WR:

DELIVERY INFORMATION

Admixtures:

MICRO AIR

MIDRANGE

TEST RESULTS

Slump (in) (C-143);

Slump WR:

5.5

Load Number: 8

Batch

Air Content (%) (C-231)

6.5

Mixer Number: 322

1:41

Air Temp (°F):

40

Ticket Number 10491

Arrive 2:05

Conc. Temp (°F) (C-1064):

Cubic Yards: Design (psi):

10 3000

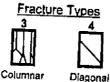
Depart 2:20

Cylinder Cylinder

_	Cylinder Designation	Cylinder Weight (lbs)	~ 3 (40 42)	Cross Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture	Load	Strength
						au.o.iypc	(uays)	Туре	(kips)	(psi)
	524-3A	8.30	3.99	12.50	11/7/0040					
	524-3B	8.35	4.00		11/7/2013	Lab	7	4	41.2	3300
	524-3C		=		11/28/2013	Lab	28	4	69.4	– •
		8.30	4.00	12.57	11/28/2013	Lab	28	,		5520
	524-3D	8.35			Hold	Lab	20	4	65.3	5200









or bottom



Pointed End



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Materials Testing

Project Number:

13-0912.1

Client:

New Yard, LLC

Client Contract Number:

General

Contractor:

Concrete

Supplier: HISSONG CONCRETE

PLACEMENT INFORMATION

Date Cast:

11/5/2013

Time Cast: 2:00

Date Received:

11/6/2013

Placement Location: WESTSIDE FOOTINGS LENGTH OF BUILDING

Placement Method:

TAILGATE

Cylinders Made By:

CHARLES CROMWELL

Placement Vol. (yd³): 46

Aggregate Size (in):

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F)

61 Maximum (°F) 72

DELIVERY INFORMATION

Admixtures:

MICRO AIR

GLENIUM 7500

TEST RESULTS

Slump (in) (C-143):

Slump WR:

4.5 5.2

Load Number: 2

Batch

Air Content (%) (C-231)

Air WR:

Mixer Number: 322

1:23

Air Temp (°F):

40

Ticket Number 10513

Arrive

Conc. Temp (°F) (C-1064):

56

Cubic Yards: 10.5 1:42

Design (psi): 3000 Depart 2:15

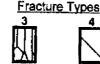
 Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
524-4A	8.30	4.00	12.57	11/12/2013	Lab	-		4	
E0.4.40			•		Lau	- 1	4	47.8	3800
524-4B	8.30	4.02	12.67	12/3/2013	Lab	28	4	65.0	5130
524-4C	8.35	4.01	12.62	12/3/2013	Lab	28	4	66.2	5250
524-4D	8.35			Hold	Lab		·		7250



Cone both



Cone one



Columnar



or bottom

Side at top



ends end w/ split

End



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Materials Testing

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13-0912.1

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New Yard, LLC

Client Contract Number:

General

Contractor:

Concrete

Supplier: HISSONG CONCRETE

PLACEMENT INFORMATION

Date Cast:

11/6/2013

Time Cast: 1:38

Date Received:

11/7/2013

Placement Location: ALL (8) SPREAD FOOTINGS ON N LINE

Placement Method:

TELEBELT

Cylinders Made By:

JUSTIN BROWN

Placement Vol. (vd3): 74

Aggregate Size (in):

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F)

Maximum (°F)

DELIVERY INFORMATION

Admixtures:

MICRO AIR

GLENIUM 7500

TEST RESULTS

Slump (in) (C-143):

Slump WR:

Load Number: 3

Batch

Air Content (%) (C-231)

Air WR: 4.6

Mixer Number: 314

12:58

Air Temp (°F):

48

Ticket Number 22810

Arrive

Conc. Temp (°F) (C-1064):

59

Cubic Yards: 10.5 1:20

Design (psi): 3000 Depart 1:42

Cylinder Designation	Cylinder Weight (lbs)		Cross Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
524-5A	8.35	4.02	12.70	11/13/2013	Lab	_			
524-5B					Lab	7	4	52.2	4110
	8.35	4.02	12.69	12/4/2013	Lab	28	4	63.7	5020
524-5C	8.35	4.01	12.64	12/4/2013	Lab	28			
524-5D	8,35			Hold	Lob	20	4	64.0	5070

2 1/4



Cone both ends



end w/ split



Diagonal



Side at top

or bottom



End



ASTM C-31 & C-39

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Materials Testing

Project Number:

13-0912.1

Client:

New Yard, LLC

Client Contract Number:

General

Contractor:

Concrete

Supplier: HISSONG CONCRETE

PLACEMENT INFORMATION

Date Cast:

11/6/2013

Time Cast: 2:52

Date Received:

11/7/2013

Placement Location: ALL (8) SPREAD FOOTINGS ON N LINE

Placement Method:

TELEBELT

Cylinders Made By:

JUSTIN BROWN

Placement Vol. (yd3); 74

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F)

Maximum (°F)

DELIVERY INFORMATION

Admixtures:

MICRO AIR

GLENIUM 7500

TEST RESULTS

Slump (in) (C-143):

Slump WR:

Cross

Air WR:

3.5

Load Number: 6

Batch

Air Content (%) (C-231)

5.7

Mixer Number: 302

2:12

Air Temp (°F):

48

Ticket Number 22815

Arrive

Conc. Temp (°F) (C-1064):

59

Cylinder Cylinder

Cubic Yards: 10.5 2:40

Design (psi):

3000

Depart 2:50

	Cylinder Designation	Weight (lbs)	Diameter (in)	Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
	524-6A	8.25	4.02	12.67	11/13/2013	Lab	7	4	64.0	
	524-6B	8.15	4.01	12.63	40/4/0040			·	51.0	4030
	E24 CC				12/4/2013	Lab	28	4	64.5	5110
	524-6C	8.25	4.01	12.61	12/4/2013	Lab	28	4	65.5	5200
	524-6D 8.30	8.30			Hold	Lab	-4	٦,	00.0	52 00



Cone both



end w/ split

Columnar



Side at top

or bottom





ASTM C-31 & C-39

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Materials Testing

Project Number:

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Client:

New Yard, LLC

Client Contract Number:

General

Contractor:

Concrete

Supplier: HISSONG CONCRETE

PLACEMENT INFORMATION

Date Cast:

11/12/2013

Time Cast: 1:15

Date Received:

11/13/2013

Placement Location: ALL OF THE BUILDINGS FOUNDAITON WALLS EXCEPT @ OVERHEAD DOOR ENTRANCE

Placement Method:

TELEBELT

Cylinders Made By:

JUSTIN BROWN

Placement Vol. (yd²): 50

Aggregate Size (in):

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F)

63

Maximum (°F)

84

DELIVERY INFORMATION

Admixtures:

MICRO AIR

GLENIUM 7500

POZZUTEC 20+ (2%)

TEST RESULTS

Slump (in) (C-143):

Slump WR:

2.5

Load Number: 4

Batch

Air Content (%) (C-231)

Air WR:

3.7 Mixer Number: 301

12:09

Air Temp (%):

40

Ticket Number 22843

Arrive

Conc. Temp (°F) (C-1064):

64

Cubic Yards: 10.5 12:34

Depart

Design (psi):

4000

1:35

Cylinder	Cylinder	Cross						1.55
Weight (lbs)			Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
0 55	4.00							
		12,68	11/14/2013	Lab	2	4	55.8	4400
8.50	4.03	12.77	11/15/2013	Lab	3	4	64.0	5010
8.50	4.01	12.64	11/18/2013	lah		•		
8.50	4.03	12 74						5350
8 55					7	4	77.8	6110
				Lab	9	4	80.4	6420
8.55	4.03	12.72	12/10/2013	Lab	28	5	92.5	7270
8.50	4.03	12.72	12/10/2013	Lab	28	4	89.6	7040
	Weight (lbs) 8.55 8.50 8.50 8.50 8.50 8.55 8.55	Weight (lbs) Diameter (lbs) (in) 8.55 4.02 8.50 4.03 8.50 4.01 8.50 4.03 8.55 4.00 8.55 4.00	Weight (lbs) Diameter (in) Sectional Area(In)² 8.55 4.02 12.68 8.50 4.03 12.77 8.50 4.01 12.64 8.50 4.03 12.74 8.55 4.00 12.53 8.55 4.03 12.72	Weight (lbs) Diameter (in) Sectional Area(In)² Date Of Test 8.55 4.02 12.68 11/14/2013 8.50 4.03 12.77 11/15/2013 8.50 4.01 12.64 11/18/2013 8.50 4.03 12.74 11/19/2013 8.55 4.00 12.53 11/21/2013 8.55 4.03 12.72 12/10/2013	Weight (lbs) Diameter (in) Sectional Area(In)² Date Of Test Cure Type 8.55 4.02 12.68 11/14/2013 Lab 8.50 4.03 12.77 11/15/2013 Lab 8.50 4.01 12.64 11/18/2013 Lab 8.50 4.03 12.74 11/19/2013 Lab 8.55 4.00 12.53 11/21/2013 Lab 8.55 4.03 12.72 12/10/2013 Lab 8.50 4.03 12.72 12/10/2013 Lab	Weight (lbs) Diameter (in) Sectional Area(In)² Date Of Test Age Cure Type Age (days) 8.55 4.02 12.68 11/14/2013 Lab 2 8.50 4.03 12.77 11/15/2013 Lab 3 8.50 4.01 12.64 11/18/2013 Lab 6 8.50 4.03 12.74 11/19/2013 Lab 7 8.55 4.00 12.53 11/21/2013 Lab 9 8.55 4.03 12.72 12/10/2013 Lab 28 8.50 4.03 12.72 12/10/2013 Lab 28	Weight (lbs) Diameter (in) Sectional Area(In)2 Date Of Test Cure Type Age (days) Fracture Type 8.55 4.02 12.68 11/14/2013 Lab 2 4 8.50 4.03 12.77 11/15/2013 Lab 3 4 8.50 4.01 12.64 11/18/2013 Lab 6 4 8.50 4.03 12.74 11/19/2013 Lab 7 4 8.55 4.00 12.53 11/21/2013 Lab 9 4 8.55 4.03 12.72 12/10/2013 Lab 28 5 8.50 4.03 12.72 12/10/2013 Lab 28 5	Weight (ibs) Diameter Sectional (in) Date Of Test Cure Type Age (days) Fracture Type Load (kips) 8.55 4.02 12.68 11/14/2013 Lab 2 4 55.8 8.50 4.03 12.77 11/15/2013 Lab 3 4 64.0 8.50 4.01 12.64 11/18/2013 Lab 6 4 67.6 8.50 4.03 12.74 11/19/2013 Lab 7 4 77.8 8.55 4.00 12.53 11/21/2013 Lab 9 4 80.4 8.55 4.03 12.72 12/10/2013 Lab 28 5 92.5 8.50 4.03 12.72 12/10/2013 Lab 28 5 92.5



Cone both ends



end w/ split

Cone one Columnar



Diagonal

Side at top

Pointed

or bottom End



ASTM C-31 & C-39

Project Name: Portland ME - Portland Yacht Services - Construction

Materials Testing

Client Contract Number:

Project Number:

13-0912.1

Client:

New Yard, LLC

General

Contractor:

Concrete

Supplier: HISSONG CONCRETE

PLACEMENT INFORMATION

Date Cast:

11/12/2013

Time Cast: 1:15

Date Received:

11/13/2013

Placement Location: ALL OF THE BUILDINGS FOUNDAITON WALLS EXCEPT @ OVERHEAD DOOR ENTRANCE

Placement Method:

TELEBELT

Cylinders Made By:

JUSTIN BROWN

Placement Vol. (yd³): 50

Aggregate Size (in):

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F)

63

Maximum (°F)

84

DELIVERY INFORMATION

Admixtures:

MICRO AIR **GLENIUM 7500**

POZZUTEC 20+ (2%)

TEST RESULTS

Slump (in) (C-143):

Slump WR:

2.5

Load Number: 4

Batch

Air Content (%) (C-231)

Air WR:

Mixer Number: 301

Air Temp (°F):

3.7

12:09

40

Ticket Number 22843

Arrive 12:34

Conc. Temp (°F) (C-1064):

64

Cylinder Cylinder

Cubic Yards: 10.5 Depart

Design (psi):

1:35

4000

Cylinder Designation

(lbs)

(in)

Weight Diameter Sectional Area(In)2

Cross

Date Of Test

Cure Type (days)

Age Fracture Type

Load (kips) Strenath (iaq)

524-7H

8.45

Hold

Lab

Cone both

ends

Cone one end w/ split Fracture Types

Columnar

Diagonal

or bottom

Pointed

End



ASTM C-31 & C-39

Project Name: Portland ME - Portland Yacht Services - Construction

Materials Testing

Project Number:

13-0912.1

Client:

New Yard, LLC

Client Contract Number:

General

Contractor:

Concrete

Supplier: HISSONG CONCRETE

PLACEMENT INFORMATION

Date Cast:

11/13/2013

Time Cast: 1:25

Date Received:

11/15/2013

Placement Location: OVERHEAD DOOR FOUNDATION WALLS

Placement Method:

CHUTE

Cylinders Made By: JUSTIN BROWN

Placement Vol. (yd³); 6.5

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F)

61

Maximum (°F)

72

DELIVERY INFORMATION

Admixtures:

MICRO AIR

GLENIUM 7500

POZZUTEC 20+ (2%)

TEST RESULTS

Slump (in) (C-143):

Slump WR:

Air WR:

6.5

Load Number: 1

Batch

Air Content (%) (C-231)

Mixer Number: 322

12:50

Air Temp (°F):

Ticket Number 22856

Arrive

Conc. Temp (°F) (C-1064):

40

Cubic Yards: 6.5 1:12

61

Design (psi): 4000 Depart 1:42

Cylinder Cylinder Cross

Cylinder Designation	Weight (lbs)	Diameter (in)	Cross Sectional Area(In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
								(· · · · /	(bai)
524-8A	8.05	4.03	12.72	11/20/2013	Lab	_	_		
524-8B	8.20	4.02			Lab	7	4	56.2	4420
524-8C			12.71	12/11/2013	Lab	28	4	67.6	5320
024-0C	8.20	4.03	12.73	12/11/2013	Lab	28	Ā		
524-8D	8,15					40	4	67.4	5300
	٠,١٠			Hold	Lab				

6.8

Cone both

Cone one ends end w/ split



Fracture Types Columnar



Side at top

Pointed

or bottom End

Tachi Concrete Placements

Subject: Re: Portland Yacht Concrete Placements

From: Roger Gagnon < roger@gagnonengineering.com>

Date: 11/4/2013 1:37 PM

To: Andy Lathe <ALathe@newmanconcrete.com>

Thanks Andy

I'll go to the site at 10:30 AM tomorrow. I'll inspect rebar pre-concrete, and go over east wall footing rebar w/ Stefen

You're making good progress

Thanks, Roger

GEI Tel: 839-8085

PS Did you see my second email regarding mandoor openings?

On 11/4/2013 11:08 AM, Andy Lathe wrote:

Roger -

Stefan will be placing footings for 9 line tomorrow at 1pm. He will have another footing placement on Wednesday at 1pm.

He asked if you could review the rebar for the placements a couple of hours before start of concrete so that they can make any remedial changes necessary.

Thanks.

Andrew Lathe

Project Manager - LEED® AP

Newman Concrete Services, Inc.

alathe@newmanconcrete.com

Subject: Re: Portland Yacht Rebar Shop Drawings

From: Roger Gagnon < roger@gagnonengineering.com>

Date: 10/30/2013 6:01 AM

To: Andy Lathe <ALathe@newmanconcrete.com>

CC: "Phineas Sprague, Jr." <phin@portlandyacht.com>

Hi Andy

A couple of discrepancies in shop drawings:

- a) The 24" wide 'beam' on 1-line (betw. F & I) has a smooth (unbonded) 1" dia. bar, not #7 (bonded) bar. top/both ends.
- b) Bottoms of footings on A and N lines "step up from El 9.0' at 1-line to El 10.5' at 9-line. Shops show only two (9") steps. There is not enough frost cover at footings 6 & 7; needs to be corrected

I have suggestions to correct discrepancies (practically); please call me to discuss

Note: Outside faces of concrete (walls & piers) on 1 & 9 lines are typically 3" outside of column (proper) lines, and corner piers extend several inches beyond that, and tops of corner piers are notched (2"x6").

Note also that I do not check detailed accuracy of foundation layout (footings, piers, walls...) Newman should have a second person check and verify layout.

Please call me to discuss.

Thanks, Roger

GEI Tel: 839-8085

On 10/28/2013 2:53 PM, Andy Lathe wrote:

Roger -

Please see attached rebar shop drawings for the foundation structure at Portland Yacht.

Re. Fortiand Facili Repar Shop Drawings

Thanks,

Andrew Lathe
Project Manager - LEED® AP
Newman Concrete Services, Inc.
alathe@newmanconcrete.com
(207) 737-2260 - phone
(207) 737-2261 - fax

Subject: Re: FW: Portland Yacht Services - Hissong Submittal

From: Roger Gagnon < roger@gagnonengineering.com>

Date: 10/30/2013 6:16 AM

To: Andy Lathe <ALathe@newmanconcrete.com>, Tim Boyce <TBoyce@SWCole.com>

CC: "Phineas Sprague, Jr." <phin@portlandyacht.com>

Hi Andy

Hissong proposed concrete mix designs are nominally acceptable with a couple of comments:

- 1. Maximum slump should not exceed 4" (see notes/specs, plan sheet 6)
- 2. Past performance of mix designs is considered an indicator of quality; project-specific performance will be determined from results of required sampling and testing.

Review notes & specifications itemized on plan sheet 6, particularly regarding which truck-loads need to be sampled and tested (e.g. first, last + every third intermediate truck...) no exceptions

Please give me 48 hours advance notice of proposed concrete placements.

Call or email with questions or other

Thanks, Roger

GEI Tel: 839-8085

On 10/28/2013 8:16 AM, Andy Lathe wrote:

Roger -

Attached is Hissong Ready-Mix's concrete mix design for the structure foundation and the ramp.

Thanks,

Andrew Lathe Project Manager - LEED® AP Newman Concrete Services, Inc.

Subject: Grade Beam Inspection and

From: Roger Gagnon < roger@gagnonengineering.com>

Date: 11/14/2013 5:03 AM

To: Andy Lathe <ALathe@newmanconcrete.com>

CC: mchallrepairs@yahoo.com, "Phineas Sprague, Jr." <phin@portlandyacht.com>

Hi Andy

I inspected the rebar in the grade beam yesterday (about 10:15 AM) and met briefly with Stefen.

All was according to plans, correct & acceptable.

Stefen (& Mark) both told me that the previously placed (walls) concrete was insulated against the cold the night before (Tuesday night)

They also told me that concrete temperatures were in the mid seventies, in the early morning, which is good.

Note: please apply membrane curing immediately after stripping forms from the walls (and grade beam later)

Caution whoever backfills: Do not fill against walls for 5 days from placement (minimum)

Please call or email with questions or other

Thanks, Roger

GEI Tel: 839-8085

PS: Send me concrete sampling & cylinder break results when you get them Subject: Backfill, Insulation, and Saw-cuts

From: Roger Gagnon < roger@gagnonengineering.com>

Date: 11/15/2013 2:56 AM

To: Andy Lathe <ALathe@newmanconcrete.com>, mchallrepairs@yahoo.com

CC: "Phineas Sprague, Jr." <phin@portlandyacht.com>

Andy, Mark

I visited the site at lunchtime (November 14th)

Because the walls were prematurely backfilled, I could not see under-wall isulation, nor did I see any wall saw-cuts. (Wall saw-cuts were agreed-to as an alternate to details shown on GEI foundation plans)

As-built details need to be documented. also, If other than detailed, specified, or as-agreedto; changes need to be certified by the 'designer'

Documentation is part of IBC (Building Code) 'Statement of Special Inspections' Either

a) someone needs to certify that as-built details were as as detailed, specified, or agreed to (this needs to be written/not verbal)

OR

b) We will need to uncover (randomly) hidden details I was not given prior notice to inspect.

I will call Phin later this AM to discuss.

Thanks, Roger

RG Tel: 839-8085

Subject: Portland Yacht

From: Roger Gagnon < roger@gagnonengineering.com>

Date: 11/12/2013 10:26 AM

To: Andy Lathe <ALathe@newmanconcrete.com>

Hey Andy

I heard from Stefen (& Mark H) that you plan to place wall concrete today.

For the file and Portland Code enforcement I need 24 hour advanced email notice from Newman (preferaby you).

Sound like a redundancy, but it's important we follow that procedure.

Thanks, Roger

RG Tel: 839-8085