

January 18, 2012

Mr. John Brown
Hollis & Miller
220 NW Executive Way
Lee's Summit, Missouri 64063

**RE: Construction Services
Our Lady of the Presentation Classroom Addition
130 NW Murray Road
Lee's Summit, Missouri
Project No. 122733**

Dear Mr. Brown:

In accordance with your request, representatives of Kleinfelder have provided field observation and testing services relating to light gage steel framing and reinforced concrete for the classroom addition at the referenced site. Our services were provided on a part-time basis on December 29, 2011, as scheduled by representatives of A.L. Huber Construction. No site visits were requested between November 21 and December 28 for the classroom addition. The compliance of any materials or work not observed by our personnel cannot be determined by our firm and is not addressed, or implied, by this or any previous report.

Summary of Activities

Light Gage Steel Framing

On December 29, the field welded and screwed connections for the classroom addition light gage steel framing were observed.

Reinforced Concrete

Results of the recent concrete compressive strength tests are enclosed.

Status of Compliance

The specific items discussed above in this report appeared to be in general compliance with contract documents.

The results of our field observations and testing were reported to the authorized field personnel during our site visits. If you have any questions regarding this report, or if we may be of further service, please contact us.

Respectfully submitted,

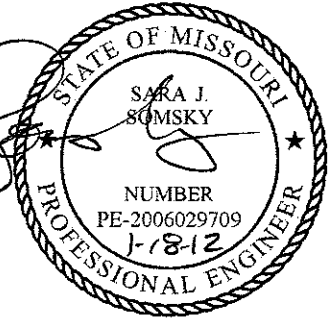
KLEINFELDER



Stewart L. Legg
Project Manager

SLL/SJS:ksb

Sara Somsy, P.E.
Missouri: PE-2006029709



cc: Mr. Randy Huber – A.L. Huber (e-mail)
City of Lee's Summit, Missouri



11529 West 79th Street
Lenexa, Kansas 66214
Phone: (913) 962-0909 Fax: (913) 962-0924

CONCRETE CYLINDER COMPRESSIVE STRENGTH REPORT, ASTM C 39

Report To:

Hollis & Miller Group, Inc.
John Brown
220 NW Executive Way
Lees Summit, MO 64063

Report Date: 12/8/2011

Project No.: 122733

Project: Our Lady of Presentation

Task: 1 Task 1

MIX DESIGN DATA

Supplier: LaFarge
Mix No.: RMXGI30LB1W
Cement Type:

Cement Factor (sk/cy):
Max. Size Agg.(in.):
Admixtures:

SAMPLE DATA

Date Sampled: 11/10/2011
Source of Sample: Footing
Interior column footings

Date Received: 11/11/2011

Time Batched:

Batch Size (cy):

Time Sampled:

Water Added (gal):

Contractor: Huber/Intech
Truck/Ticket: 0065/25249439
Sampled By: David Zentz
Submitted By: David Zentz
Curing Method: Cure Room
Field Cure Temp (°F) Hi: Lo:
Field Cure Time: 24 hrs.

	Measured	Specified	
		Min	Max
Slump (in)	3.0	3	5
Slump w/plasticizer (in)			
Ambient Air Temperature (°F)	50		
Mix Temperature (°F)	70		
Air Content (%)			
Unit Weight (pcf)			
Time in Truck (mins.)			

LABORATORY DATA

Set No.: LEN122733-1

Capping Method: Unbonded

Sample Number	Date Tested	Age (days)	Dimensions (in)		Area (in²)	Fracture Type	Ultimate Load (lbs)	Compressive Strength (psi)
			Diam.	Height				
LEN122733-1A	11/17/2011	7	4.00	8.00	12.57	Side Fracture	52,120	4,150
LEN122733-1B	12/8/2011	28	4.00	8.00	12.57	Side Fracture	74,060	5,890
LEN122733-1C	12/8/2011	28	4.00	8.00	12.57	Cone and Split	70,240	5,590
LEN122733-1D		Hold						
Average 28 Day Strength (psi):								5,740
Required Strength (psi) @ 28 days:								3,000

Remarks:

Reviewed on 12/8/2011 by:

Stewart Legg
Project Manager

Associated Test Methods: ASTM C 31, C 138, C 143, C 172, C 173, C 231, C 617, C 1064, C 1231

Unless prior arrangements have been made all HOLD specimens will be discarded if required strength is attained.
Limitations: Pursuant to applicable building codes, the results presented in this report are for the exclusive use of the client and the registered design professional in responsible charge. The results apply only to the samples tested. If changes to the specifications were made and not communicated to Kleinfelder, Kleinfelder assumes no responsibility for pass/fail statements (meets/did not meet), if provided. This report may not be reproduced, except in full, without written approval of Kleinfelder.



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CONCRETE CYLINDER COMPRESSIVE STRENGTH REPORT, ASTM C 39

Report To:
Hollis & Miller Group, Inc.
John Brown
220 NW Executive Way
Lees Summit, MO 64063

Report Date: 12/12/2011
Project No.: 122733
Project: Our Lady of Presentation
Task: 1 Task 1

MIX DESIGN DATA

Supplier: LaFarge
Mix No.: RMXGI30LB1W
Cement Type:

Cement Factor (sk/cy):
Max. Size Agg.(in.):
Admixtures:

SAMPLE DATA

Date Sampled: 11/14/2011 Date Received: 11/15/2011 Time Batched: 1:50 PM Batch Size (cy): 40
Source of Sample: Footing Time Sampled: 2:30 PM Water Added (gal):
East footing - 5 to 10' off building

Contractor: A.L. Huber
Truck/Ticket: 245/4223639/1
Sampled By: BJ
Submitted By: BJ
Curing Method: Cure Room
Field Cure Temp (°F) Hi: Lo:
Field Cure Time: 24 hrs.

	Measured	Specified	
		Min	Max
Slump (in)			
Slump w/plasticizer (in)	6.50	5	7
Ambient Air Temperature (°F)	63		
Mix Temperature (°F)	75		
Air Content (%)			
Unit Weight (pcf)			
Time in Truck (mins.)	40		

LABORATORY DATA

Set No.: LEN122733-2

Capping Method: Unbonded

Sample Number	Date Tested	Age (days)	Dimensions (in)		Area (in²)	Fracture Type	Ultimate Load (lbs)	Compressive Strength (psi)
			Diam.	Height				
LEN122733-2A	11/21/2011	7	4.00	8.00	12.57	Cone and Split	68,530	5,450
LEN122733-2B	12/12/2011	28	4.00	8.00	12.57	Cone and Split	89,700	7,140
LEN122733-2C	12/12/2011	28	4.00	8.00	12.57	Cone	87,400	6,960
LEN122733-2D		Hold						
Average 28 Day Strength (psi):								7,050
Required Strength (psi) @ 28 days:								3,000

Remarks:

Reviewed on 12/12/2011 by:

Stewart Legg
Project Manager

Associated Test Methods: ASTM C 31, C 138, C 143, C 172, C 173, C 231, C 617, C 1064, C 1231

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Report To:

Hollis & Miller Group, Inc.
John Brown
220 NW Executive Way
Lees Summit, MO 64063

Report Date: 12/13/2011**Project No.:** 122733**Project:** Our Lady of Presentation**Task:** 1 Task 1

MIX DESIGN DATA

Supplier: LaFarge
Mix No.: RMXGI30LB1W
Cement Type:

Cement Factor (sk/cy):
Max. Size Agg.(in.):
Admixtures:

SAMPLE DATA

Date Sampled: 11/15/2011
Source of Sample: Footing
South footings

Date Received: 11/17/2011**Time Batched:** 1:30 PM**Batch Size (cy):****Time Sampled:** 2:10 PM**Water Added (gal):**

Contractor: A.L. Huber
Truck/Ticket: 742/25249561/1
Sampled By: EG
Submitted By: EG
Curing Method: Cure Room
Field Cure Temp (°F) Hi: Lo:
Field Cure Time: 48 hrs.

	Measured	Specified	
		Min	Max
Slump (in)			
Slump w/plasticizer (in)	7.0	5	7
Ambient Air Temperature (°F)	60		
Mix Temperature (°F)	71		
Air Content (%)			
Unit Weight (pcf)			
Time in Truck (mins.)	40		

LABORATORY DATA

Set No.: LEN122733-3**Capping Method:** Unbonded

Sample Number	Date Tested	Age (days)	Dimensions (in)		Area (in ²)	Fracture Type	Ultimate Load (lbs)	Compressive Strength (psi)
			Diam.	Height				
LEN122733-3A	11/22/2011	7	4.00	8.00	12.57	Side Fracture	44,940	3,580
LEN122733-3B	12/13/2011	28	4.00	8.00	12.57	Columnar	63,820	5,080
LEN122733-3C	12/13/2011	28	4.00	8.00	12.57	Cone and Split	70,420	5,600
LEN122733-3D		Hold						

Average 28 Day Strength (psi): 5,340
Required Strength (psi) @ 28 days: 3,000

Remarks:**Reviewed on 12/13/2011 by:**

Stewart Legg
Project Manager

Associated Test Methods: ASTM C 31, C 138, C 143, C 172, C 173, C 231, C 617, C 1064, C 1231

Unless prior arrangements have been made all HOLD specimens will be discarded if required strength is attained.
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CONCRETE CYLINDER COMPRESSIVE STRENGTH REPORT, ASTM C 39

Report To:

Hollis & Miller Group, Inc.
John Brown
220 NW Executive Way
Lees Summit, MO 64063

Report Date: 12/19/2011**Project No.:** 122733**Project:** Our Lady of Presentation**Task:** 1 Task 1

MIX DESIGN DATA

Supplier: LaFarge
Mix No.: RMXGI40LB1W
Cement Type:

Cement Factor (sk/cy):
Max. Size Agg.(in.):
Admixtures:

SAMPLE DATA

Date Sampled: 11/21/2011 **Date Received:** 11/22/2011
Source of Sample: Slab-on-Grade
West 1/6 of slab

Time Batched: 8:53 AM **Batch Size (cy):**
Time Sampled: 10:22 AM **Water Added (gal):**

Contractor: A.L. Huber
Truck/Ticket: 4780065/25249770/1
Sampled By: BJ
Submitted By: BJ
Curing Method: Cure Room
Field Cure Temp (°F) Hi: **Lo:**
Field Cure Time: 24 hrs.

	Measured	Specified	
		Min	Max
Slump (in)			
Slump w/plasticizer (in)	7.0	5	7
Ambient Air Temperature (°F)	42		
Mix Temperature (°F)	67		
Air Content (%)			
Unit Weight (pcf)	63		
Time in Truck (mins.)	89		

LABORATORY DATA

Set No.: LEN122733-4**Capping Method:** Unbonded

Sample Number	Date Tested	Age (days)	Dimensions (in)		Area (in²)	Fracture Type	Ultimate Load (lbs)	Compressive Strength (psi)
			Diam.	Height				
LEN122733-4A	11/28/2011	7	4.00	8.00	12.57	Side Fracture	70,370	5,600
LEN122733-4B	12/19/2011	28	4.00	8.00	12.57	Cone	88,850	7,070
LEN122733-4C	12/19/2011	28	4.00	8.00	12.57	Cone and Split	84,650	6,740
LEN122733-4D		Hold						

Average 28 Day Strength (psi): 6,910
Required Strength (psi) @ 28 days: 4,000

Remarks:**Reviewed on 12/19/2011 by:**

Stewart Legg
Project Manager

Associated Test Methods: ASTM C 31, C 138, C 143, C 172, C 173, C 231, C 617, C 1064, C 1231

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