### SRG ENGINEERING, INC.

CONSULTING STRUCTURAL ENGINEERS

TRANSM	TRANSMITTAL SHEET
ro: Mr. Mike Nugent	FROM: Steven Grant, P.E.
City of Portland, Code Enforcement	DATE: 4/11/2005
MAIL/STREET: 389 Congress Street	WE ARE SENDING YOU: Statement of Final Inspection, Field, Lab, and Test Reports by SWC/SRG.
TOWN, STATE, ZIP: Portland, ME 04101	SENDER'S REFERENCE NUMBER: 04-038
RE: Big Moose Harley Addition	METHOD OF SHIPMENT:  1 <sup>st</sup> class US mail
回 for your use	□ for review/comment □ please resubmit
NOTES/COMMENTS:	
Hi Mike,	~
Here are the reports for the above mentioned	Here are the reports for the above mentioned project. Please call if you have any questions.
Best wishes.	>
Sincerely,	
Sper	5
Steven R. Grant, President	
Encs.	
Cc: Dennis Waters at PATCO on April 11, 2005 via 1st class US Mail.	2005 via 1 <sup>st</sup> class US Mail.

#### NEAM

Structural Engineering Association of Maine

The following discrepancies that were outstanding since the last interim report, No dated, have been corrected:
To the best of my information, knowledge, and belief, the Special Inspections required for this project, and described in the Statement of Special Inspections submitted for the project, have been completed.
STRUCTION INC
ARCHITECT OF RECORD: JOHN EIN STEDIEN RA SAME  Name  Name  Firm
STRUCTURAL ENGINEER OF RECORD: 57 CUCY GAMT PO Box 925
APPLICANT'S ADDRESS: 1293 MMW ST.  SAN FOR ME 04073
PERMIT APPLICANT: MATES CONSTNETION, THE
LOCATION: PORTLAND ME
PROJECT: BIG MOOSE HAMLEY ADDITION
FINAL REPORT OF SPECIAL INSPECTIONS

(Use additional sheets, if necessary)

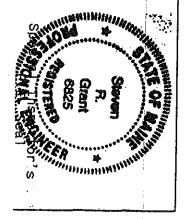
Interim reports submitted to this final report, basis for, and are to be considered an integral and numbered to part of this final report? form a

Submitted By: SPECIAL INSPECTOR

SIGNATURE

DATE

10-05



#### FAX TRANSMITTAL

TO: SEC

SEC ENGINEERING - Steve Grant

FR: Jason Gardner Sta

DATE: 12-21-04

TOTAL # OF PAGES: (Including Cover Sheet)

FAX#: 657-7342

MESSAGE:

Per your recommendation, the 3000p.s.i. concrete mix design shall be used for the foundation walls & footings. The 3500p.s.i. concrete mix design shall be used for the slab on both of the following jobs:

Job # 2677 — Notion Industries

Job # 2663 - Big Moose Harley

Please feel free to contact us if you have any questions. Thank you.

Engineer's review is for general conformance with the design concept and contract documents. Markings or comments shall not be construed as relieving the contractor from compliance with the project's plans and specifications, nor departures therefrom. The contractor remains responsible for details and accuracy, for confirming and correlating all quantities and dimensions, for selecting fabrication processes, for techniques of assembly, and for performing his work in a safe manner.  SRG Engineering, inc.  Date Received	No exceptions takepto Rejected ☐ Confirm  Note markings ☐ Comments Attached ☐ Resubmit	Engineer's Review   Contractor's Response	SHOT DRAWING / SUBMITTAL REVIEW
esign ts shall ts shall ance as there as there ons, for sembly, and for sembly, and for	00	s Response	EVIEW

Limerick, Me. 04048 F. O. BOX 9 F. R. Carroll, Inc.

> 207-793-6753 207-793-2742

inoversion 16, 4004

Patco Const. Sanford, Me.

Actu: Ross

Re: Concrete Mix Design

3500 psi- 3/4"

Water Cement Stone WAT Sand

1750 Lbs. 1400 Lbs. SCALLES.

4.5 Oz 325 CH

Louis passing in

Water Cement Ratio Microsir

200x **A** 

reducer(Follybeed 997). aggregates; Master Builders air entraining agent(Microair), and Master Builders water The above weights are based on the ase of Ciment Quebec Type H, F. R. Carroll's

dried quantities are the basic quantities which will be adjusted for moisture, slump, and The quantities are given in the oven dried state(no free or absorbed moisture). The oven

If you have any questions, please feel free to give me a call

\*\*. -{\*\*

Sincerely,

Michael P. Carion

45. 17. 1. 41. 

. F. Concrete Division

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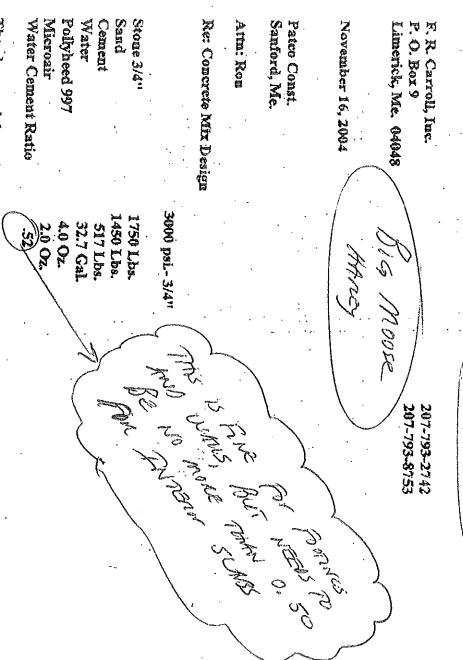
SHOP DRAWING / SUBMITTAL REVIEW

00	Resubmit	Thote markings Comments Attached Resubmit
]	Confirm	No expensions takengo
Contractor's Response	Contractor	Engineer's Review

with the project's plans and specifications, nor departures there-from. The contractor remains responsible for details and accuracy, for confirming and correlating all quantities and dimensions, for Engineer's review is for general conformance with the design concept and contract documents. Markings or comments shall not be construed as relieving the contractor from compliance selecting fabrication processes, for techniques of assembly, and for

SRG Engineering, Inc. performing his work in a saile manner. Date Received Date Reviewed 4 100





aggregates, Master Builders air entraining agent(Microair), and Master Builders water reducer(Pollyheed 997). The above weights are based on the use of Ciment Quebec Type II, F. R. Carroll's

dried quantities are the basic quantities which will be adjusted for moisture, slump, and The quantities are given in the oven dried state(no free or absorbed moisture). The oven

If you have any questions, please feel free to give me a call

Sincerely,

Michael P. Carroll

V. P. Concrete Division

SRG Engineering, Inc. P. O. Box 925 Gray, ME 04039-0925 Tel:(207)-657-7323 Fax:(207)-657-7342

Project No.:04-038 Date: November 17, 2004
Project Name: Big Moose Harley Addition
Project Location: Portland, Maine
Weather Conditions: Overcast, 40's
Contact Person(s): Steven Grant-SRG Eng.
(Contractor was not present)

#### Discussion/Observations:

#### Observations are as follows:

- 1. Wall and isolated footings are in place.
- 2. Pier dowels are in place.
- 3. 12"x12" cont. reinforced concrete tie is in place
- 1. 10 photographs taken for the record.

# The following items need to be addressed and corrected by the General Contractor:

- pier) must be drilled and epoxy grouted into the concrete ties so there is at least a 48" bar lap a minimum 48" bar lap. Therefore, new #8 hooked dowels (hook located inside the 30"x30" approximately 20" at the "plan north" end, and 30" at the "plan south end". The plans call for Presently the #8 reinforcing bars in the concrete tie extend beyond the end of concrete for these reinforcing bars. See sheet S2 for details.
- 12 and bottom of wall per section 1/S-1 on sheet S3. Presently, there are 2-#4 cont. horizontal at wall locations. There are to be (2) #4 cont. at top
- ω at all locations. order to have the correct length. Some pier vertical bars are short, and must have new dowels placed beside the existing in Vertical bars are to extend within 2" from the top of concrete

Copies To: Diagrams: Signed: B Samuel Same 分談 100 A That is an and the

Gray, ME 04039-0925 Tel:(207)-657-7323 Fax:(207)-657-7342 SRG Engineering, Inc. P. O. Box 925

Project No.:04-038

Project Name:

Weather Conditions: Project Location:

Contact Person(s):

**Big Moose Harley Addition** Date: December 3, 2004 Portland, Maine

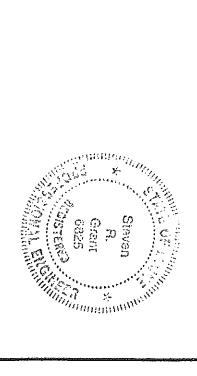
Overcast, 30's

Steven Grant-SRG Eng. (Contractor was not present)

#### Discussion/Observations:

- Observations are as follows:

  1. Foundation walls and piers are in place.
- Paving was done.
- 4 photos taken for the record.



Diagrams:

Copies To:

Signed:

Tel:(207)-657-7323 Fax:(207)-657-7342 SRG Engineering, Inc. P. O. Box 925 Gray, ME 04039-0925

Project No.:04-038

Project Name:

Date: January 3, 2004

Weather Conditions: Project Location:

Contact Person(s):

Steven Grant-SRG Eng.

Overcast, Low 40's Big Moose Harley Addition Portland, Maine

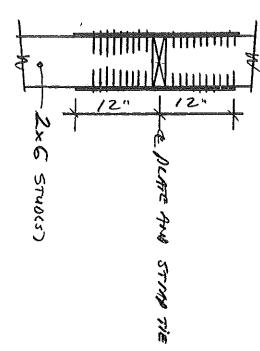
#### Discussion/Observations:

#### Observations are as follows:

- Foundation walls and footings are in place.
- Steel frames, x-bracing, and girts are in place.
- Wood studs are being installed at the new gable end.
- 4. Slab-on-grade is not in place.

### The following items need to be addressed:

each strap. Please see sketch below. The strap must also be centered with the 2x6 plate. Provide at least (10) 8d nails at each end of 1 1/4" x 20gage x 24" strap galvanized strap tie on each the outside and inside face of the stud. Studs are stopped above and below the plate. All studs at this plate location must have a There is a single 2x6 plate near the ridge (about 3ft down) spanning horizontally about 12ft.



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Diagrams:

Copies To: File

Signed:

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Gray, ME 04039-0925 Tel:(207)-657-7323 Fax:(207)-657-7342 SRG Engineering, Inc. P. O. Box 925

Project No.:04-038

Project Name: Date: January 5, 2004

Project Location: Contact Person(s): Weather Conditions: Steven Grant-SRG Eng.

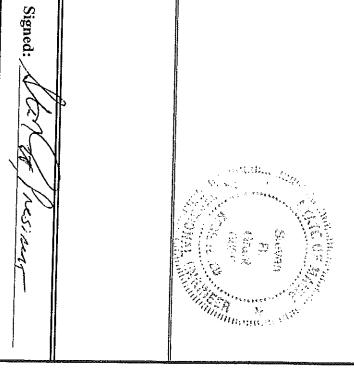
Overcast, Low 30's **Big Moose Harley Addition** Portland, Maine

Rich Maynard-PATCO

Discussion/Observations:

#### Observations are as follows: 1. Rich Maynard indicated the

- in place. Straps had not yet been installed at the inside face of stud(s). upper plate is located on the gable end as explained in Field Report #3. Rich Maynard indicated the metal straps are fastened to the exterior face of studs where the Exterior sheathing was
- 'n Two photos were taken for the record, see attached.



Diagrams:

Copies To: File



PATCO Construction, Inc.
475 Main Street
SANFORD, MAINE 04073
(207) 324-5574

P. B.C. A 50 th Big Moose

CHECKED BY	SALCULATED BY	SHEET NO. SK-
		-
DATE	DATE 12/16/04	OF.

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1000	20 100	38	# 2 Co
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			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\



April 4, 2005

Mr. Steve Grant SRG Engineering, Inc. P.O. Box 925 Gray, Maine 04039

RE: Big Moose Harley Davidson

Dear Steve

Davidson on Riverside Street in Portland. In the past, non structural slabs on grade have not been included as part of the "Special Inspections" requirement. We did not think that slab was being poured. it was required this time and therefore we did not inform SRG Engineering, Inc. that the As you are aware, the interior slab on grade has been completed at Big Moose Harley

"Windsor" probe to determine concrete strength. We understand that you have done a visual inspection of the slab in place and a

compacted and prepared according to plan. All wire mesh, hairpin rebar, grade beam cross-ties were installed as shown and the minimum slab thickness is 5". Construction assumes any related liability for the slab on grade. Sub grade material was drawings dated March 26, 2005 for Big Moose Harley Davidson and that Patco This letter is to assure you that the slab was placed in accordance with SRG foundation

If you have any questions, or need additional information, give me a call

Sincerely,

Dennis M Waters
Vice President

GPR-4-0000



CENT OF C.W. COME ENCEDENCY INC.,

707 BS7 2840;

NOV-2-



e Geotechnical Englasering e Field & Lab Testing e Scientific & Environmental Consoling

### DAILY CONSTRUCTION REPORT

Project: Big Moose Harley Addition

Client: SRG Engineering, Inc. Client's Rep.: Steve Grant

Project No.: 04-0877

Date: 11/2/04

Weather: Overcast with light rain, 40's

Work in Progress: Gorham Sand & Gravet: Excavation for building footings

Work Performed by SWC Rep.: Observation of footing subgrade along A-line and 1-line. Observations for D-line footings was not complete at the time of our visit. include materials encountered, excavation techniques practiced and treatment of open excavation. Excavation

be ballasted with stone prior to the rain event expected. was observed in the excavation. S.W. Cole Engineering Inc. recommended that the open footing excavation combination of brown to gray clayey silty sand and brown to gray silty clay was observed. No excessive water Materials observed at subgrade generally appeared to coincide with those encountered in test boring logs. inches and place a medium grade woven geotextile fabric prior to grading 6-Inches of 1 ⅓inch stone to footing General Observations, Discussions, Etc: Patco Construction has opted to over-excavate all footings by 6-Gorham Sand & Gravel was using a smooth-edged bucket so as to minimize subgrade disturbance.

On Site: 12:30 to 1:00

SWC Rep.: Karl Gimpel



### Concrete Construction Observation Report

Project Name: Kir Moose Herky	A 34, 700	S		Project No:	1180-40
17				Date:	4/2/04
Placement Type Footing W Wall Coli	Column   Slad	Slab Other			
Placement Location Al Courage			L Canada Carana		
PRE PLACEMENT OBSERVATIONS		Sq0	Obsgred		Comments
Bar Size (diameter, length, bend & anchorage)		ig S	\ ₹ □		
Location (#of bars, spacing, and cover)		Yes	` ₹ □		Andrews in the second section of the section of the second section of the section of the second section of the section of
Splicing (weld joint, overlap)		¥ (\$)	₹ □		A COMPANY OF THE RESIDENCE OF THE PROPERTY OF
Stability (wiring, chairs, and spacers)		₹ <b>%</b>	, \ ₹ □		
Reinforcement free from mud, oil, rust, or other nonmetallic coatings	llic coatings		. \ S □		
Reinforcement appears in conformance to specifications		ž R	, ≅ □		
Soil subgrade prepared in accordance with project specifications	fications	¥ □	₹ □	21/14	
Referenced Drawings	7	ם ב	2 (s	* D T 3.5	3
Kererenced Drawings	Dane	Page	Kev.	ASTM	ORADE
526	-//z/or	1,2,3	/	A 615	\$0 □ 80 □ 80 E
				, A 617	75
- Application -				A 706	A 775 Epoxy □
CONCRETE PLACEMENT OBSERVATIONS	NS.	Obsepred	pyed		Comments
Placement and consolidation of concrete observed			}	× 1	
Concrete property conveyed to all areas of placement		<b>桑</b> 中	`\ ₹ □ [	ALIEN AIR	
Depth of layer maximum limits not exceeded		Yes EQ	₹ □		
internal vibration (depth of insertion, spacing, time, vertical insertion, no conveyance of concrete by vibration)	al insertion,	Yes 🖂	₹		The state of the s
Permoval of temporary the and an ambedments		§ ∏	Š	2 13	
Signals and and an abades		Yes	\ <b>\</b> €	2,3%	
*CYLINDER SET NO: 430 -/		个。 refer	to associ	Yes ☑ No ☐  ←" refer to associated concrete test report	test renort
POST PLACEMENT OBSERVATIONS		Observed	Ved		Commonts
Specified finish		Yes 🗆	₹		
Drope with a principle of the control of the contro		Yes	₹ [		
Lippar ching procedures implemented		Yes 🗆	8 □		
NON-CONFORMANCE HEMS OBSERVED		Yes □	₹ □		
Action taken by SWCE:					
NOTES:					
14 ( ) L. ().				ATTA	ATTACHMENTS YOUNG
TECHNICIAN:			REVIE	REVIEWED BY: 25)	9
				ĺ	



### Concrete Construction Observation Report

Wall Let Coll Wall Coll Wa	#Adut Tro Adultings Illip coatings			Project No: Date:  Date:  ASTM A 615   A 617   A 617	1, 1,17 /a Y   1,17 /a Y
Reinforcement appears in conformance to specifications Soil subgrade prepared in accordance with project specifica	dong :		₹ 8 ; □ □	MIN	
Referenced Drawings	Date	e Brd	Ray.	ASTM	ଲୁ
A. C.	Hisbel	(12,3	Nav.	A 615	
	11 0.530-7	\$ 64.5		A 616	75 A 775 Epox
CONCRETE PLACEMENT OBSERVATIONS Required mix used.		100 SE LA SE	No.		Comments
Placement and consolidation of concrete observed Concrete properly conveyed to all areas of placement			₹ [] []		
Depth of layer maximum limits not exceeded	:	Yes E	□ No		
no conveyance of concrete by vibration) spacing, time, ventical no conveyance of concrete by vibration)  Even layering around openings and embedments	insection,		₹ ₹ ] []		
Removal of temporary ties and spacers		¥ □(	₹ 8		
*CYLINDER SET NO: 430-7		↑ 70 for 10 for	No □	Yes 2 No  No Concrete test report	e test recort
POST PLACEMENT OBSERVATIONS Specified finish		Observed Yas   No	Zed		Comments
Protection of surfaces from cracking due to rapid drying Proper curing procedures implemented			7		
NON-CONFORMANCE ITEMS OBSERVED Non-conformance Item description:		ě D	₹ 8		
Action taken by SWCE:					
NO I BO		**************************************	anuty.	ATTZ	ATTACHMENTS
Somersworth, NH Office 350 South 106, Sulte 206, Somersworth, NH+oTel (603) 692-0093 • Fex (603) 692-0044 • E-Mail infosomersworth@sweede.com • www.sweede.com	92-0044 <b>+</b> E-N	fail infosomers	REVIEW	REVIEWED BY: E	Page 1
Ten unit, regulata, warktou, jwggiig				**************************************	78.00m



### Report of Field Density

#### **ASTM D2922**

Project Number:

04-0877

Project: PORTLAND - BIG MOOSE HARLEY ADDITION - MATERIALS TESTING

Client: SRG ENGINEERING

Field Density Test Results

Comments	7.8	128.3	Method  ASTM D-1557 Modified C	Method STM D-1557 Mc	<u></u>	l Type	Material Type 3" Stone	Lab ID Received Material Source 2815G 11/22/2004 Shaw Bro's phinney pit	Mater Shaw E	Lab ID Received Material Source 2815G 11/22/2004 Shaw Bro's phinney	<u>Lab II</u> 2815G
S & S = 1	ဂ္ဂန္ကမ္မ	Max Dry Density								Date	
			erence	Test Ref	action	Comp	Laboratory Compaction Test Reference				
	<del></del>	3. <i>l</i>	1,00.2	90107	ř	BTF	òrner o	Addition	2	11/22/2004	c
5		f J	<u>}</u>		<b>S</b>	BTF	1		ł j		>
I02.1	_	ω ω	131.0	2815G	12	BTF 1/2'	omer of Addition	Addition  4' Inside East Comer of Addition	arı	11/22/2004	М
9.68	(0	3.5	127.8	2815G	12	1/2:	ast Wall of	4' Inside Southeast Wall of	TJB	11/22/2004	<u> </u>
ŭ	Percent	Percent	₹	Lab ID	Depth	Feet		Test # Test Date Tech Test Location	Tech	Test Date	Test#
ž	Compaction Required	Content	7		Test	T PV					
		Moisture									

Elevation Notes:

Comments: BTF: Below Top of Foundation



### Report of Moisture-Density

Method ASTM D-1557 MODIFIED

Procedure

Project Name PORTLAND - BIG MOOSE HARLEY ADDITION - MATERIALS TESTING

SRG ENGINEERING

Material Sourc SHAW BRO'S PHINNEY PIT

Material Type

3" STONE

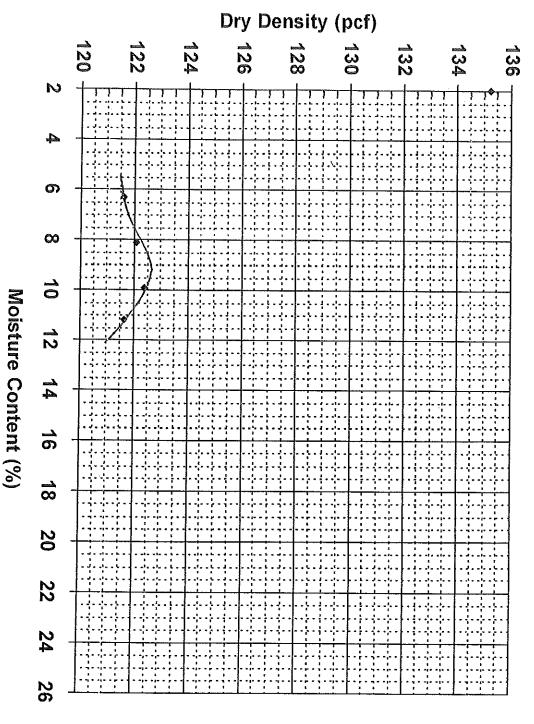
Project Number 04-0877

Lab ID Date Received 11/22/2004 2815G

Date Completed 11/23/2004

Tested By TONY BELISLE

### Moisture-Density Relationship Curve



Percent Oversized

20.0%

Corrected Moisture Content (%)

Corrected Dry Density (pcf)

128.3

7.8

1226 9.3

Optimum Moisture Content (%) Maximum Dry Density (pcf)

Roger E. Domingo

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



#### Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - BIG MOOSE HARLEY ADDITION - MATERIALS TESTING

Client: SRG ENGINEERING

General Contractor:

Project Number:

04-0877

**Client Contract Number:** 

Concrete

Supplier: F. R. CARROLL

11/15/2004

#### PLACEMENT INFORMATION

Date Cast: 11/12/2004 Time Cast: 1:42 Date Received:

Placement Location: All Foottings

Placement Method: Mixer/Vibrator

Cylinders Made By: 31. B

Aggregate Size (in): 3/4

Placement Vol. (yd3): 20

Admixtures: 1% High Early DELIVERY INFORMATION

Minimum (°F)

Temperatures

INITIAL CURING CONDITIONS

Maximum (°F)

TEST RESULTS

Air Content (%) (C-231): Slump (in) (C-143): 4.75 <u>4</u>.1

Air Temp (°F): မ

Conc. Temp (°F) (C-1064): 9

Load Number:

N

Ticket Number: Mixer Number: 3689 106

Cubic Yards: 6

Design (psi): 3000

430-1D	430-1C	430-1B	430-1A	Cylinder Designation
				Cylinder Weight (lbs)
			6.00	Cylinder Diameter (in)
			28.27	Cylinder Cross Diameter Sectional (in) Area(In) <sup>2</sup>
Hold	12/10/2004	12/10/2004	11/19/2004	Date Of Test
Lab	Lab	Lab	Lab	Age Cure Type (days)
	28	28	7	Age (days)
			4	Fracture Type
			96.0	Load (kips)
			3400	Strength . (psi)

Cone and Split

Fracture Types

Columnar

Remarks: Rebar met project specifications



## Report of Concrete Compressive Strength

ASTM C-31 & C-39

**Project Number:** 

04-0877

Client Contract Number:

Concrete Supplier: F. R. CARROLL

PLACEMENT INFORMATION

Contractor: General

Date Cast:

Client:

SRG ENGINEERING

Project Name: PORTLAND - BIG MOOSE HARLEY ADDITION
MATERIALS TESTING

11/12/2004

Time Cast: 1:42 Date Received: 11/15/2004

Placement Location: All Foottings

Placement Method: Mixer/Vibrator

Cylinders Made By: E J

INITIAL CURING CONDITIONS

Temperatures

Minimum (°E) Maximum (°F)

TEST RESULTS

Air Content (%) (C-231): Slump (in) (C-143): 4.75 <u>4</u> \_

Air Temp (°F): 8

Conc. Temp (°F) (C-1064): 2

> DELIVERY INFORMATION 1% High Early

Aggregate Size (in):

3/4

Placement Vol. (yd³): 20

Admixtures:

Mixer Number: Load Number: 106 N

Cubic Yards: Ticket Number: 3689 0

Design (psi): 3000

				Lab	Hold				430-1D
4210	119.0	4	28	Lab	12/10/2004	28.27	6.00		430-1C
3610	102.0	4	28	Lab	12/10/2004	28.27	6.00		430-18
3400	96.0	4	7	Lab	11/19/2004	28.27	6.00		430-1A
(psi)	(kips)	Type	(days)	Cure Type (days) Type	Test	Area(In) <sup>2</sup>	(in)	(Sai)	Designation
Strength		Fracture	Age		Date Of	Sectional	Diameter	Weight	Cylinder
						Cylinder Cross	Cylinder	Cylinder	• :

Remarks: Rebar met project specifications

Cone and Split

Cone and Shear

Shear

Columnar

Fracture Types



### Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND - BIG MOOSE HARLEY ADDITION
MATERIALS TESTING \0 \0 \0

Client: SRG ENGINEERING

General

Contractor:

Time Cast: 1:47

Project Number:

04-0877

Client Contract Number:

Concrete Supplier:

F. R. CARROLL

PLACEMENT INFORMATION

Placement Location: Date Cast: 11/14/12004

All Walls

Date Received: 11/18/2004

Placement Method: Mixer/Shovels

Cylinders Made By: 뎚

Placement Vol. (yd3): 14 Aggregate Size (in): 3/4

Admixtures:

DELIVERY INFORMATION

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) Maximum (°F)

TEST RESULTS

Slump (in) (C-143): Air Content (%) (C-231): 5.0 <u>ي</u> ي

Conc. Temp (°F) (C-1064): 8

Air Temp (°F):

40

Mixer Number: Load Number: 9

Ticket Number: 3756

Cubic Yards:

Design (psi): 3000

430-2D	430-2C	430-2B	430-ZA	Cylinder Designation
				Cylinder Weight (lbs)
			6.00	Cylinder Diameter (in)
			28.27	Cylinder Cross Diameter Sectional (in) Area(In) <sup>2</sup>
Hold	12/15/2004	12/15/2004	11/24/2004	Date Of Test
Lab	Ĺab	Lab	Lab	Age Cure Type (days)
	28	28	7	Age (days)
			4	Fracture Type
			78.0	Load (kips)
	9		2760	Strength (psi)

Cone and Split Fracture Types Cone and Shear





Remarks:



#### Report of Concrete Compressive Strength Ø Ø

3 ASTM C-31 & C-39

Project Name: PORTLAND - BIG MOOSE HARLEY ÀDDITION -MATERIALS TESTING

SRG ENGINEERING

Client:

General Contractor:

Project Number:

Concrete Supplier: Client Contract Number:

F. R. CARROLL

PLACEMENT INFORMATION

Date Cast:

11/17/2004 Time Cast:

Date Received: 11/18/2004

Placement Location: All Walls

Placement Method: Mixer/Shovels

Cylinders Made By: JB

Placement Vol. (yd³): 14

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Admixtures:

DELIVERY INFORMATION

Maximum (°F)

Minimum (°F)

TEST RESULTS

Slump (in) (C-143): 9

Air Temp (°F): Air Content (%) (C-231): 5.0

Conc. Temp (°F) (C-1064);

88 4

Load Number:

Mixer Number: 9

Cubic Yards: Ticket Number: 3756

Design (psi): 3000

400-20	430-20 430-20	430 20	430-2A	Designation	Cylinder
				(lbs)	Cylinder Weight
	6.00	6.00	6.00	(in)	Cylinder
	28.27	28.27		(in) Area(in) <sup>2</sup>	r Cross
Hold	12/15/2004	12/15/2004	11/24/2004	Date Of Test	) :
Ĺab	Lab	Lab	Lab	Age F Cure Type (days)	
	28	28	7	Age (days)	
	4	4	4	Age Fracture days) Type	
	114.5	96.0	78.0	Load (kips)	
***************************************	4050	3400	2760	Strength (psi)	

Remarks:

Cone and Split

Cone and Shear