

CITY OF SACRAMENTO

Permit No: 0512814

1231 I Street, Sacramento, CA 95814

Insp Area: 4

Thos Bros: 277B2

Site Address: 4080 TRUXEL RD SAC

Sub-Type: NCOM

Parcel No: 225-1250-043

BLDG H-1

Housing (Y/N): N

CONTRACTOR

PANATTONI CONSTRUCTION INC
8745 FOLSOM BL
SAC CA 95826

OWNER

NATOMAS CROSSING PHASE 1 LLC
8401 JACKSON RD
SACRAMENTO CA 95826

ARCHITECT

RMW ARCHITECTS
1718 3RD ST # 101
SAC, CA.

Nature of Work: NEW COMMERCIAL BLDG H-1 - 20923 SQ FT

CONSTRUCTION LENDING AGENCY: I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C).

Lender's Name

Lender's Address

LICENSED CONTRACTORS DECLARATION: I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

License Class B License Number 759899 Date 2/23/06 Contractor Signature

OWNER-BUILDER DECLARATION: I hereby affirm under penalty of perjury that I am exempt from the contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code; any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00);

I, as a owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his/her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he/she did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law).

I am exempt under Sec. B & PC for this reason:

Date Owner Signature

CITY OF SACRAMENTO
FEB 23 2006
NEIGHBORHOODS PLANNING
& DEVELOPMENT SERVICES

IN ISSUING THIS BUILDING PERMIT, the applicant represents, and the city relies on the representation of the applicant that the applicant verified all measurements and locations shown on the application or accompanying drawings and that the improvement to be constructed does not violate any law or private agreement relating to permissible or prohibited locations for such improvements. This building permit does not authorize any illegal location of any improvement or the violation of any private agreement relating to location of improvements.

I certify that I have read this application and state that all information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction and hereby authorize representative(s) of this city to enter upon the abovementioned property for inspection purposes.

Date 2/23/06 Applicant/Agent Signature

WORKER'S COMPENSATION DECLARATION: I hereby affirm under penalty of perjury one of the following declarations:

I have and will maintain a certificate of consent to self-insure for workers' compensation as provided for by Section 3700 of the Labor Code, for the performance of work for which the permit is issued.

I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier STATE FUND Policy Number 713-6577-002 Exp Date 09/01/2006

(This section need not be completed if the permit is for \$100 or less) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 2/23/06 Applicant Signature

WARNING: FAILURE TO SECURE WORKERS COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000) IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST AND ATTORNEY'S FEE.

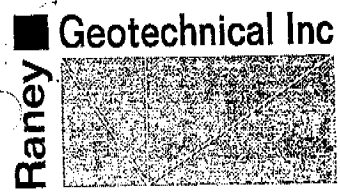
THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.

0512814

RECEIVED

DEC 28 2006

PANATTONI CONSTRUCTION



December 27, 2006

Panattoni Construction, Inc.
 Attention: Dennis Chilton
 8775 Folsom Boulevard, Suite 100
 Sacramento, California 95826

SUMMARY REPORT
CONSTRUCTION OBSERVATION AND TESTING SERVICES
NATOMAS CROSSING, PHASE II
 4080 Truxel Road, Bldg. H1
 Sacramento, California
 Reference No. 192-197.02
 Permit No. 0512814

INTRODUCTION

In accordance with your request, we have performed construction observation and testing services for the subject project. The project included construction of a two-story concrete tilt-up building with a concrete slab-on-grade floor area of approximately 10,400 square feet. Our construction testing and observations were performed between March 17 and November 14, 2006. Our firm prepared a Geotechnical Investigation for the project dated January 16, 2003.¹ This letter summarizes the results of our construction observation and testing.

EARTHWORK OBSERVATION AND TESTING

Building Pad Construction

Following grading, the upper 15 inches of the building pad soils were treated with four pounds of quicklime and five pounds of cement per cubic foot. The chemically treated soil was brought to a uniform over-optimum moisture content, thoroughly mixed and compacted. Delivery weigh tags were observed to assure that the proper amounts of lime and cement were added to the soil.

Foundation Excavation Observation

Our representative observed all building foundation excavations prior to foundation concrete placement. All foundation excavations engaged suitable bearing materials in accord with the recommendations of our referenced report. Foundations appeared to meet or exceed minimum specified dimensions and were clean at the time of our observation.

¹ Raney Geotechnical Inc.; "Geotechnical Investigation, Natomas Crossing -- Allegheny Area 2, Truxel Road and Arena Boulevard, Sacramento, California"; File No. 192-197; January 16, 2003.

Field Density Testing

Our representative performed field density tests on building pad and pavement section aggregate base materials in accordance with ASTM Test Designations D2922 and D3017 (Nuclear Probe Method). Our test data indicate that the chemically treated building pad was compacted to a minimum of 92 percent of the laboratory determined maximum dry density. Pavement area aggregate base materials were compacted to 95 percent relative to the laboratory determined maximum dry density.

Laboratory Compaction Testing

We performed laboratory compaction tests on representative samples of the site soils, as well as on aggregate base materials used during pavement construction. The compaction tests were performed in accordance with ASTM Test Designation D1557. The results of the laboratory compaction tests are summarized below.

Material Description	Method	Maximum Dry Density (pcf)	Optimum Moisture Content (%)
Brown silty clay - chemically treated	A	99	24.0
Recycled aggregate base	C	127	8.5
Recycled aggregate base	C	141	5.5

CONCRETE CONSTRUCTION

Reinforcing Steel Placement Observations

Our scope of work included observation of foundation, floor slab, wall panel, and elevator pit reinforcing steel for the subject building. Detailed observations generally were performed one day prior to concrete placement with any corrections being verified by our representative prior to structural concrete placement. All reinforcing steel appeared to be placed in compliance with industry standards and the project plans, for size and placement location.

Concrete Placement Observation

Our representative observed concrete placement procedures during concrete construction of building slabs-on-grade, wall panels, and mezzanine decks. Concrete truck batch and placement times were recorded to ensure that the concrete was placed within a reasonable period (generally less than 90 minutes). Concrete temperatures were monitored and recorded. Concrete appeared to be placed and consolidated in general accord with industry standards.

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Slump Testing

Our representative performed concrete slump testing during concrete placement. Slump testing was generally performed at least once per 150 cubic yards of concrete in accord with ASTM Test Designation C143, Slump of Portland Cement Concrete. Slump test specimens were obtained in accord with ASTM C172, Sampling Freshly Mixed Concrete. Slump test measurements were relayed to the contractor verbally. Our data would indicate that no significant amount of concrete was placed with an excessive slump.

Compressive Strength Testing

Generally, one set of four test specimens was cast per 150 cubic yards of concrete placed. The test specimens were returned to our laboratory for curing and compressive strength testing. Test specimens were cast, transported, and cured in accord with ASTM Test Designation C31, Making and Curing Concrete Test Specimens in the Field. Test specimens were stored in a humidity room complying with ASTM Specification C511. The test specimens were tested in unconfined compression in our laboratory at 7 and 28 days in accord with ASTM Test Designation C39. A compressive strength summary report is attached.

STRUCTURAL STEEL CONSTRUCTION

Shop Welding Observations

Our representative observed structural shop welding for panel embeds, ledgers, columns and beams. We observed welding materials and workmanship; materials and workmanship appeared to comply with project specifications, industry standards and provisions of the American Welding Society.

Field Welding Observations

Our representative observed structural field welding for panel holddowns and the mezzanine and roof structure connections. Prior to initiation of welding operations we reviewed qualification certificates of all project welders; our review indicated that the welder's certificates were current and applicable to the various types of project welding. We observed welding materials and procedures; welding procedures, workmanship, and materials appeared to comply with industry standards and provisions of the American Welding Society Structural Welding Code.

Field welds were examined for visual defects or flaws; all welds appeared to be sound. In addition, we checked welded connections for conformance to project plans and specifications; all welds appeared to meet specifications for size, length and type.

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NON-SHRINK GROUTING OBSERVATIONS

Our representative observed placement of non-shrink grout between column base plates and the building foundations. Prior to placement of grout, areas below column bases were cleared of debris. Grout appeared to be mixed and placed in compliance with industry standards and the project plans.


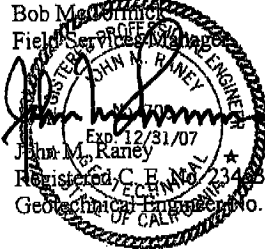
SUMMARY AND LIMITATIONS

Our test data and observations indicate that the described construction observed by this company has, to the best of our knowledge, been performed in accord with sound engineering practice, the project plans, and our referenced report. Horizontal and vertical limits of the described work were determined by others. Our firm was not present during earthwork construction and cannot comment on the earthwork procedures used. We cannot guarantee construction, nor should our work or this letter be construed as relieving the contractors from their primary responsibility to conform to contractual agreements and sound engineering practice.

Should you have any questions regarding this letter or require any further information, please contact our office.

Very truly yours,

RANEY GEOTECHNICAL, INC.


Bob McDermond
Field Services Manager

John M. Raney
Registered C.E. No. 23468
Geotechnical Engineer, No. 708
STATE OF CALIFORNIA

Attachments: Compressive Strength Summary Report

(2) Addressee

BM/JMR/cjh

Concrete Compressive Strength Summary

PROJECT: 192-197.02 Natomas Crossing - Phase II

Panattoni Construction, Inc.
 Attention: Dennis Chilton
 8775 Folsom Boulevard, Suite 100
 Sacramento, CA 95826

SAMPLE DATE / NUMBER/LOCATION		TYPE: Concrete	SPECIFICATION		3500	SLUMP: 4		
5/31/2006	06-00518	Building G-1, Slab on Grade, Line 3 @ B		MIX DESIGN: 00H5541C				
I.D.	AGE	BREAK DATE	LOAD	STRENGTH	Corr	NET STR.	RESULT	
A	7	6/7/2006	92910	3290		3290		
B	28	6/28/2006	130100	4600		4600	PASS	
C	28	6/28/2006	128610	4480		4480	PASS	

SAMPLE DATE / NUMBER/LOCATION		TYPE: Concrete	SPECIFICATION		3500	SLUMP: 4		
5/31/2006	06-00519	Building G-2, Slab on Grade, Line 2 @ A.5		MIX DESIGN: 00H5541C				
I.D.	AGE	BREAK DATE	LOAD	STRENGTH	Corr	NET STR.	RESULT	
A	7	6/7/2006	87850	3110		3110		
B	28	6/28/2006	103030	3640		3640	PASS	
C	28	6/28/2006	110750	3920		3920	PASS	

SAMPLE DATE / NUMBER/LOCATION		TYPE: Concrete	SPECIFICATION		3500	SLUMP: 4.5		
5/31/2006	06-00520	Building H-1, Slab on Grade, Line 4.5 @ C		MIX DESIGN: 00H5541C				
I.D.	AGE	BREAK DATE	LOAD	STRENGTH	Corr	NET STR.	RESULT	
A	7	6/7/2006	86700	3140		3140		
B	28	6/28/2006	118140	4180		4180	PASS	
C	28	6/28/2006	111330	3940		3940	PASS	

SAMPLE DATE / NUMBER/LOCATION		TYPE: Concrete	SPECIFICATION		3500	SLUMP: 4		
6/1/2006	06-00541	Building H-2, Slab on Grade, Line 4 @ B		MIX DESIGN: 00H5541C				
I.D.	AGE	BREAK DATE	LOAD	STRENGTH	Corr	NET STR.	RESULT	
A	7	6/8/2006	93980	3320		3320		
B	28	6/29/2006	129850	4590		4590	PASS	
C	28	6/29/2006	125710	4450		4450	PASS	

SAMPLE DATE / NUMBER/LOCATION		TYPE: Concrete	SPECIFICATION		3500	SLUMP: 4		
6/1/2006	06-00542	Building H-2, Slab on Grade, Line 4 @ B		MIX DESIGN: 00H5541C				
I.D.	AGE	BREAK DATE	LOAD	STRENGTH	Corr	NET STR.	RESULT	
A	7	6/8/2006	84000	2970		2970		
B	28	6/29/2006	116270	4110		4110	PASS	
C	28	6/29/2006	118880	4210		4210	PASS	

SAMPLE DATE / NUMBER/LOCATION		TYPE: Concrete	SPECIFICATION		4000	SLUMP: 4.25		
6/30/2006	06-00738	Building G-1, Panel 14		MIX DESIGN: 07H8541C				
I.D.	AGE	BREAK DATE	LOAD	STRENGTH	Corr	NET STR.	RESULT	
A	7	7/7/2006	94240	3330		3330		
B	28	7/28/2006	118660	4200		4200	PASS	
C	28	7/28/2006	125100	4430		4430	PASS	

Concrete Compressive Strength Summary

PROJECT: 192-197.02 Natomas Crossing - Phase II

Panattoni Construction, Inc.
 Attention: Dennis Chilton
 8775 Folsom Boulevard, Suite 100
 Sacramento, CA 95826

SAMPLE DATE / NUMBER/LOCATION		TYPE: Concrete	SPECIFICATION		4000	SLUMP: 4.5
6/30/2006	06-00739	Building G-1, Panel 2	MIX DESIGN: 07H6541C			
I.D.	AGE	BREAK DATE	LOAD	STRENGTH	Corr	NET STR. RESULT
A	7	7/7/2006	114340	4040		4040
B	28	7/28/2006	138440	4900		4900 PASS
C	28	7/28/2006	132170	4680		4680 PASS

SAMPLE DATE / NUMBER/LOCATION		TYPE: Concrete	SPECIFICATION		4000	SLUMP: 4.5
7/7/2006	06-00789	Building H-1, Panel 8	MIX DESIGN: 07H6541C			
I.D.	AGE	BREAK DATE	LOAD	STRENGTH	Corr	NET STR. RESULT
A	7	7/14/2006	97720	3480		3480
B	28	8/4/2006	130350	4610		4610 PASS
C	28	8/4/2006	137600	4870		4870 PASS

SAMPLE DATE / NUMBER/LOCATION		TYPE: Concrete	SPECIFICATION		4000	SLUMP: 4
7/7/2006	06-00770	Building H-1, Panel 2	MIX DESIGN: 07H6541C			
I.D.	AGE	BREAK DATE	LOAD	STRENGTH	Corr	NET STR. RESULT
A	7	7/14/2006	98380	3480		3480
B	28	8/4/2006	132470	4690		4690 PASS
C	28	8/4/2006	135200	4780		4780 PASS

SAMPLE DATE / NUMBER/LOCATION		TYPE: Concrete	SPECIFICATION		4000	SLUMP: 4
7/6/2006	06-00771	Building G-2, Panel 13	MIX DESIGN: 07H6541C			
I.D.	AGE	BREAK DATE	LOAD	STRENGTH	Corr	NET STR. RESULT
A	7	7/13/2006	122160	4320		4320
B	28	8/3/2006	149530	5290		5290 PASS
C	28	8/3/2006	156600	5540		5540 PASS

SAMPLE DATE / NUMBER/LOCATION		TYPE: Concrete	SPECIFICATION		4000	SLUMP: 4.5
7/6/2006	06-00772	Building G-2, Panel 2	MIX DESIGN: 07H6541C			
I.D.	AGE	BREAK DATE	LOAD	STRENGTH	Corr	NET STR. RESULT
A	7	7/13/2006	91800	3250		3250
B	28	8/3/2006	133080	4710		4710 PASS
C	28	8/3/2006	138630	4900		4900 PASS

SAMPLE DATE / NUMBER/LOCATION		TYPE: Concrete	SPECIFICATION		4500	SLUMP: 4.5
8/9/2006	06-00974	Building H-2, Panel 14	MIX DESIGN: 07A6541C			
I.D.	AGE	BREAK DATE	LOAD	STRENGTH	Corr	NET STR. RESULT
A	7	8/16/2006	117380	4150		4150
B	28	9/6/2006	137080	4850		4850 PASS
C	28	9/6/2006	145350	5140		5140 PASS

Concrete Compressive Strength Summary

PROJECT: 192-197.02 Natomas Crossing - Phase II

Panattoni Construction, Inc.
 Attention: Dennis Chilton
 8775 Folsom Boulevard, Suite 100
 Sacramento, CA 95826

SAMPLE DATE / NUMBER/LOCATION		TYPE: Concrete	SPECIFICATION		4000	SLUMP: 3.5		
8/14/2006	06-01001	Building H2, Panel 12					MIX DESIGN: 07H6541C	
I.D.	AGE	BREAK DATE	LOAD	STRENGTH	Corr	NET STR.	RESULT	
A	7	8/21/2006	111750	3950		3950		
B	28	9/11/2006	149970	5300		5300	PASS	
C	28	9/11/2006	145520	5150		5150	PASS	

SAMPLE DATE / NUMBER/LOCATION		TYPE: Concrete	SPECIFICATION		4000	SLUMP: 4		
8/14/2006	06-01002	Building H2, Panel					MIX DESIGN: 07H6541C	
I.D.	AGE	BREAK DATE	LOAD	STRENGTH	Corr	NET STR.	RESULT	
A	7	8/21/2006	114960	4070		4070		
B	28	9/11/2006	161010	5700		5700	PASS	
C	28	9/11/2006	152420	5390		5390	PASS	

SAMPLE DATE / NUMBER/LOCATION		TYPE: Concrete	SPECIFICATION		3000	SLUMP: 7		
8/16/2006	06-01021	Second Floor Deck Slab, Building G1					MIX DESIGN: V0H5071EE	
I.D.	AGE	BREAK DATE	LOAD	STRENGTH	Corr	NET STR.	RESULT	
A	7	8/23/2006	66360	2350		2350		
B	28	9/13/2006	121530	4300		4300	PASS	
C	28	9/13/2006	110930	3920		3920	PASS	

SAMPLE DATE / NUMBER/LOCATION		TYPE: Concrete	SPECIFICATION		3000	SLUMP: 7.5		
9/27/2006	06-01195	Building H-1, Pan Deck, Line 3 @ C					MIX DESIGN: V0H5071EE	
I.D.	AGE	BREAK DATE	LOAD	STRENGTH	Corr	NET STR.	RESULT	
A	7	10/4/2006	60460	2140		2140		
B	28	10/25/2006	98640	3490		3490	PASS	
C	28	10/25/2006	88050	3110		3110	PASS	

SAMPLE DATE / NUMBER/LOCATION		TYPE: Concrete	SPECIFICATION		3000	SLUMP: 7		
10/6/2006	06-01268	Building H-2, 2nd Floor Deck, Line 1.5 @ B					MIX DESIGN: 0H5071EE	
I.D.	AGE	BREAK DATE	LOAD	STRENGTH	Corr	NET STR.	RESULT	
A	7	10/13/2006	56660	2000		2000		
B	28	11/3/2006	90740	3210		3210	PASS	
C	28	11/3/2006	93070	3290		3290	PASS	

SAMPLE DATE / NUMBER/LOCATION		TYPE: Concrete	SPECIFICATION		3000	SLUMP: 6.75		
10/25/2006	06-01438	Building G2, Second Floor Deck Slab, Line B					MIX DESIGN: V0H5071EE	
I.D.	AGE	BREAK DATE	LOAD	STRENGTH	Corr	NET STR.	RESULT	
A	7	11/1/2006	56610	2000		2000		
B	28	11/22/2006	96740	3420		3420	PASS	
C	28	11/22/2006	97220	3440		3440	PASS	