

**Project: Bayside Village – A Student Housing Project**  
**Date Prepared: 11/14/ 2007**

## Structural Statement of Special Inspections

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Project: *Bayside Village – A Student Housing Project*  
Location: *120 Marginal Way, Portland, ME*  
Owner: *Realty Resources,*

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This *Statement of Special Inspections* encompass the following discipline: **Structural(Wood Framing)**

This *Statement of Special Inspections* is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the Building Code. It includes a schedule of Special Inspection services applicable to this project as well as the name of the Structural Special Inspection Coordinator (SSIC) and the identity of other approved agencies to be retained for conducting these inspections and tests.

The Structural Special Inspection Coordinator shall keep records of all Structural inspections and shall furnish inspection reports to the Building Code Official (BCO) and the Structural Registered Design Professional in Responsible Charge (SRDP). Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Structural Registered Design Professional in Responsible Charge. The Special Inspection program does not relieve the Contractor of his or her responsibilities.

Interim reports shall be submitted to the Building Official and the Structural Registered Design Professional in Responsible Charge at an interval determined by the SSIC and the BCO.

A *Final Report of Special Inspections* documenting completion of all required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted to the BCO prior to issuance of a Certificate of Use and Occupancy.

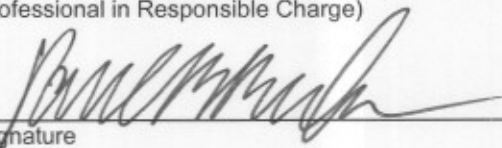
Job site safety and means and methods of construction are solely the responsibility of the Contractor.

Interim Report Frequency:  Upon request of Building Official \_\_\_\_\_

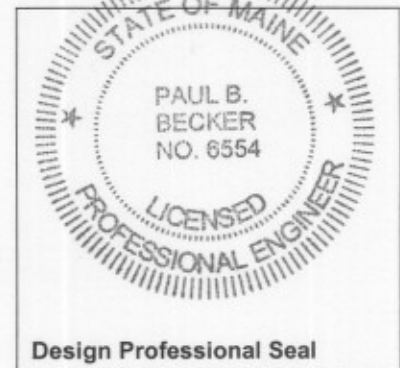
or  per attached schedule.

Prepared by:

*Paul B. Becker, P.E. – Becker Structural Engineers*  
(type or print name of the Structural Registered Design Professional in Responsible Charge)

  
\_\_\_\_\_  
Signature

*November 14, 2007*  
\_\_\_\_\_  
Date



Owner's Authorization:

Building Code Official's Acceptance:

\_\_\_\_\_  
Signature Date

\_\_\_\_\_  
Signature Date

## Structural Statement of Special Inspections (Continued)

### List of Agents

Project: *Bayside Village - A Student Housing Project*  
 Location: *120 Marginal Way, Portland, ME*  
 Owner: *Realty Resources*

This Statement of Special Inspections encompass the following discipline: **Structural(Wood Framing)**

(Note: Statement of Special Inspections for other disciplines may be included under a separate cover)

This Statement of Special Inspections / Quality Assurance Plan includes the following building systems:

- Soils and Foundations
- Cast-in-Place Concrete
- Precast Concrete System
- Masonry Systems
- Structural Steel
- Wood Construction
- Special Cases

Special Inspection Agencies	Firm	Address, Telephone, e-mail
1. STRUCTURAL Special Inspections Coordinator (SSIC)	<i>Becker Structural Engineers, Inc</i>	<i>75 York Street Portland, ME 04101 (207) 879-1838 paul@beckerstructural.com</i>
2. Special Inspector (SI 1)	<i>S.W. Cole Engineering, Inc.</i>	<i>286 Portland Road Gray, ME 04039 (207) 657-2866</i>
3. Special Inspector (SI 2)	<i>N/A</i>	
4. Testing Agency (TA 1)	<i>S.W. Cole Engineering, Inc.</i>	<i>286 Portland Road Gray, ME 04039 (207) 657-2866</i>
5. Testing Agency (TA 2)	<i>N/A</i>	
6. Other (O1)	<i>N/A</i>	

Note: The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official, prior to commencing work.

**Project: Bayside Village – A Student Housing Project**  
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## Structural Statement of Special Inspections (Continued)

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### Final Report of Special Inspections (SSIC/SI 1)

[To be completed by the Structural Special Inspections Coordinator (SSIC/SI 1). Note that all Agent's Final Reports must be received prior to issuance.]

Project: *Bayside Village - A Student Housing Project*

Location: *120 Marginal Way, Portland, ME*

Owner: *Realty Resources*

Owner's Address: *247 Commercial Street, Suite 4  
Rockport, ME 04856*

Architect of Record: *Benedict B. Walter*  
*(name)*

*CWS Architects*  
*(firm)*

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Structural Registered Design

Professional in Responsible Charge: *Paul B. Becker, P.E.*  
*(name)*

*Becker Structural Engineers*  
*(firm)*

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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.

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

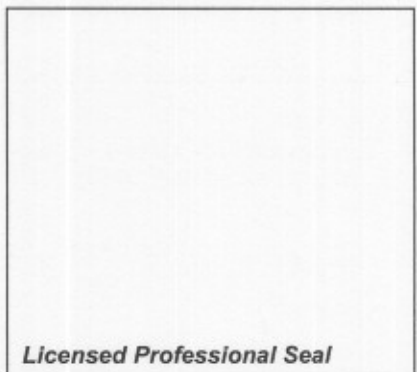
Respectfully submitted,  
Structural Special Inspection Coordinator

\_\_\_\_\_  
(Type or print name)

\_\_\_\_\_  
(Firm Name)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date



**Licensed Professional Seal**

**Project: Bayside Village – A Student Housing Project**  
**Date Prepared: 11/14/ 2007**

## Structural Statement of Special Inspections (Continued)

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### Special Inspector's/Agent's Final Report

Project: *Bayside Village - A Student Housing Project*

Special Inspector or

Agent:

*(name)*

*(firm)*

Designation:

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

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 or Agent:

\_\_\_\_\_  
(Type or print name)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

*Licensed Professional Seal or  
Certification Number*



## Structural Schedule of Special Inspections

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### Qualifications of Inspectors and Testing Technicians

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided to the Special Inspector for their records. *NOTE VERIFICATION THAT QUALIFIED INDIVIDUALS ARE AVAILABLE TO PERFORM STIPULATED TESTING AND/OR INSPECTION SHOULD BE PROVIDED PRIOR TO SUBMITTING STATEMENT. AGENT QUALIFICATIONS IN SCHEDULE ARE SUGGESTIONS ONLY; FINAL QUALIFICATIONS ARE SUBJECT TO THE DISCRETION OF THE REGISTERED DESIGN PROFESSIONAL PREPARING THE SCHEDULE.*

#### Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge or Special Inspector of Record deems it appropriate that the individual performing a stipulated test or inspection have a specific certification, license or experience as indicated below, such requirement shall be listed below and shall be clearly identified within the schedule under the Agent Qualification Designation.

PE/SE	Structural Engineer – a licensed SE or PE specializing in the design of building structures
PE/GE	Geotechnical Engineer – a licensed PE specializing in soil mechanics and foundations
EIT	Engineer-In-Training – a graduate engineer who has passed the Fundamentals of Engineering examination

#### Experienced Testing Technician

ETT	Experienced Testing Technician – An Experienced Testing Technician with a minimum 5 years experience with the stipulated test or inspection
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#### American Concrete Institute (ACI) Certification

ACI-CFTT	Concrete Field Testing Technician – Grade 1
ACI-CCI	Concrete Construction Inspector
ACI-LTT	Laboratory Testing Technician – Grade 1&2
ACI-STT	Strength Testing Technician

#### American Welding Society (AWS) Certification

AWS-CWI	Certified Welding Inspector
AWS/AISC-SSI	Certified Structural Steel Inspector

#### American Society of Non-Destructive Testing (ASNT) Certification

ASNT	Non-Destructive Testing Technician – Level II or III.
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#### International Code Council (ICC) Certification

ICC-SMSI	Structural Masonry Special Inspector
ICC-SWSI	Structural Steel and Welding Special Inspector
ICC-SFSI	Spray-Applied Fireproofing Special Inspector
ICC-PCSI	Prestressed Concrete Special Inspector
ICC-RCSI	Reinforced Concrete Special Inspector

#### National Institute for Certification in Engineering Technologies (NICET)

NICET-CT	Concrete Technician – Levels I, II, III & IV
NICET-ST	Soils Technician - Levels I, II, III & IV
NICET-GET	Geotechnical Engineering Technician - Levels I, II, III & IV

#### Other

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**Schedule of Special Inspections**  
**WOOD CONSTRUCTION**

VERIFICATION AND INSPECTION IBC Section 1704.6	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	DATE	REV
1. Wood Shearwalls and Diaphragms							
a. Verify wood structural panel sheathing for grade and thickness	Y	P	IBC 1704.6	SII	PE/SE or EIT		
b. Verify the nominal size of framing members at adjoining panel edges	Y	P	IBC 1704.6	SII	PE/SE or EIT		
b. Verify the nail or staple diameter and length	Y	P	IBC 1704.6	SII	PE/SE or EIT		
b. Verify the spacing of fasteners at panel edges and diaphragm boundaries	Y	P	IBC 1704.6	SII	PE/SE or EIT		

### Schedule of Special Inspection Services

#### FABRICATION AND IMPLEMENTATION PROCEDURES – WOOD TRUSSES

VERIFICATION AND INSPECTION  IBC Section 1704.2	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	DATE	REV
1. Fabrications Procedures: Review of fabricator's written procedural and quality control manuals and periodic auditing of fabrication practices by an approved special inspection agency. At the completion of fabrication, the approved fabricator shall submit a certificate of compliance to the building code official stating that the work was performed in accordance with the approved construction documents. -OR- 2. TPI Inspection Program: Fabricator shall participate in the TPI Quality Assurance Inspection Program, and maintain a copy of the Quality Assurance Procedures Manual, QAP-90. Submit copy of certificate. All trusses shall bear the TPI Registered Mark.	Y	S	Fabricator shall submit one of the two qualifications	SII	PE/SE or EIT		
3. At completion of fabrication, the approved fabricator shall submit a certificate of compliance to the building code official stating that the work was performed in accordance with the approved construction documents	Y	S	IBC 1704.2.2	SII	PE/SE or EIT		

## Structural Schedule of Special Inspections

### SEISMIC RESISTANCE - STRUCTURAL

VERIFICATION AND INSPECTION	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETE D
IBC Section 1707						
1. Special inspections for seismic resistance. Special inspection as specified in this section is required for the following:			Seismic Design Category: B			
a. The seismic-force-resisting systems in structures assigned to Seismic Design Category C, D, E or F	Y	P	IBC 1707.1		PE/SE or EIT	
2. Structural steel: Continuous special inspection for structural welding in accordance with AISC 341.	Y	P	IBC 1702.2		AWS-CWI	
3. Structural wood:						
a. Continuous special inspection during field gluing operations of elements of the seismic-force-resisting system.	N/A	C	IBC 1702.3		PE/SE or EIT	
b. Periodic special inspections for nailing, bolting, anchoring and other fastening of components within the seismic-force-resisting system, including drag struts, braces and hold-downs	Y	P	IBC 1702.3		PE/SE or EIT	
4. Cold-formed steel framing: Periodic special inspections during welding operations of elements of the seismic-force-resisting system. Periodic special inspections for screw attachment, bolting, anchoring and other fastening of components within the seismic-force-resisting system, including struts, braces, and hold-downs	N/A	N				
4. Seismic isolation system. Provide periodic special inspection during the fabrication and installation of isolator units and energy dissipation devices if used as part of the seismic isolation system	N/A	N	IBC 1707.8			



**Quality Assurance Plan – Seismic and Wind**

**QUALITY ASSURANCE FOR SEISMIC RESISTANCE CHECK LIST [IBC 1705]**

Seismic Design Category **C**

**FOR SEISMIC DESIGN CATEGORY C OR HIGHER:**

**Structural:**

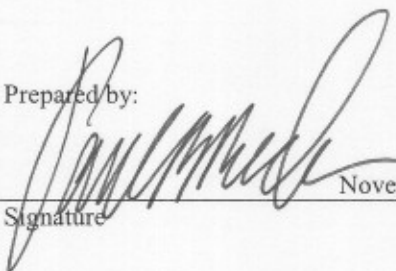
- The seismic-force-resisting systems
  - Steel Braced Frames and associated connections/anchorage
  - Steel Moment Frames and associated connections
  - Shear walls:  CMU  Wood  Concrete
  - Other:
- Diaphragms:  Floor  Roof

**QUALITY ASSURANCE FOR WIND RESISTANCE CHECK LIST [IBC 1706]**

Wind Exposure Category **C**

REQUIRED	NOT REQUIRED	NOT APPLICABLE	<b>QUALITY ASSURANCE PLAN REQUIREMENTS</b> (A Quality Assurance Plan is required where indicated below)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	In wind exposure Categories A and B, where the 3-second-gust basic wind speed is 120 miles per hour (mph) (52.8 m/sec) or greater.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	In wind exposure Categories C and D, where the 3-second-gust basic wind speed is 110 mph (49 m/sec) or greater.

Prepared by:

  
 Signature \_\_\_\_\_ Date November 14, 2007

Building Code Official's Acceptance:

Signature \_\_\_\_\_ Date \_\_\_\_\_

**Project: Bayside Village – A Student Housing Project**  
**Date Prepared: 11/14/ 2007**

## Contractor's Statement of Responsibility

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Each contractor responsible for the construction or fabrication of a system or component designated in the Quality Assurance Plan must submit a Statement of Responsibility. The Statement of Responsibility is required for Seismic Design Category C or higher. Make additional copies of this form as required.

Project: Bayside Village - A Student Housing Project

Contractor's Name: Pizzagalli Construction Company

Address: 131 Presumpscot St. Portland, ME

License No.:

Description of designated building systems and components included in the Statement of Responsibility:

### Contractor's Acknowledgment of Special Requirements

I hereby acknowledge that I have received, read, and understand the Quality Assurance Plan and Special Inspection program.

I hereby acknowledge that control will be exercised to obtain conformance with the construction documents approved by the Building Official.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

### Contractor's Provisions for Quality Control

Procedures for exercising control within the contractor's organization, the method and frequency of reporting and the distribution of reports is attached to this Statement.

Identification and qualifications of the person(s) exercising such control and their position(s) in the organization are attached to this Statement.