

**City of Portland, Maine - Building or Use Permit Application**

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 06-0706	Issue Date: 05/12/2006	CBL: 027 COIOOOI
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Location of Construction: 21 CHESTNUT ST	Owner Name: CHESTNUT STREET LOFTS LLC	Owner Address: ONE INDIA ST	Phone: <b>PERMIT ISSUED</b>
Business Name:	Contractor Name: Allied/Cook Construction	Contractor Address: PO Box 1396 Portland	Phone: 2077722888
Lessee/Buyer's Name	Phone:	Permit Type: Foundation Only/Residential	Zone: MAY 12 2006

Past Use: Parking lot	Proposed Use: 8 story/37 Unit Condo Project--- Chestnut Street Lofts	Permit Fee:	Cost of Work \$0.00	CITY OF PORTLAND
Proposed Project Description: Foundation Only		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: <b>FOUNDATION ONLY</b> 5/12/06 Signature: <i>Clayton</i>	
		Action <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied	Signature _____ Date _____	

Permit Taken By: mjn	Date Applied For: 05/12/2006	<b>Zoning Approval</b>		
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	Special Zone or Reviews	Zoning Appeal	Historic Preservation
1.	<input type="checkbox"/> Shoreland	<input type="checkbox"/> Variance	<input type="checkbox"/> Not in District or Landmark
2.	<input type="checkbox"/> Wetland	<input type="checkbox"/> Miscellaneous	<input type="checkbox"/> Does Not Require Review
3.	<input type="checkbox"/> Flood Zone	<input type="checkbox"/> Conditional Use	<input type="checkbox"/> Requires Review
	<input type="checkbox"/> Subdivision	<input type="checkbox"/> Interpretation	<input type="checkbox"/> Approved
	<input type="checkbox"/> Site Plan	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved w/Conditions
	Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/>	<input type="checkbox"/> Denied	<input type="checkbox"/> Denied
	Date: _____	Date: _____	Date: _____

**CERTIFICATION**

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

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SIGNATURE OF APPLICANT \_\_\_\_\_ ADDRESS \_\_\_\_\_ DATE \_\_\_\_\_ PHONE \_\_\_\_\_

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RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE \_\_\_\_\_ DATE \_\_\_\_\_ PHONE \_\_\_\_\_

# DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

Please Read Application And Notes, If Any, Attached

## BUILDING INSPECTION PERMIT

Permit Number: 060706

This is to certify that CHESTNUT STREET LOFT LLC /Allied/Cook Construct

has permission to Foundation Only

AT 21 CHESTNUT ST

027 C010001

**PERMIT ISSUED**  
MAY 12 2006  
CITY OF PORTLAND

provided that the person or persons who accept this permit shall comply with all of the provisions of the Statutes of the State and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application of the rules of this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and when permission is procured before this building or part thereof is occupied or services are provided. FOUR NOTICES REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

### OTHER REQUIRED APPROVALS

- Fire Dept. \_\_\_\_\_
- Health Dept. \_\_\_\_\_
- Appeal Board \_\_\_\_\_
- Other \_\_\_\_\_  
Department Name

*Ally C. August* 5/12/06  
Director - Building & Inspection Services

**PENALTY FOR REMOVING THIS CARD**

# City of Portland, Maine - Building or Use Permit

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<b>Permit No:</b> 06-0706	<b>Date Applied For:</b> 05/12/2006	<b>CBL:</b> 027 C010001
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<b>Location of Construction:</b> 21 CHESTNUT ST	<b>Owner Name:</b> CHESTNUT STREET LOFTS LLC	<b>Owner Address:</b> ONE INDIA ST	<b>Phone:</b>
<b>Business Name:</b>	<b>Contractor Name:</b> Allied/Cook Construction	<b>Contractor Address:</b> PO Box 1396 Portland	<b>Phone:</b> (207) 772-2888
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> Foundation Only/Residential	

<b>Proposed Use:</b> 8 story/37 Unit Condo Project---Chestnut Street Lofts	<b>Proposed Project Description:</b> Foundation Only
-------------------------------------------------------------------------------	---------------------------------------------------------



**Dept:** Fire      **Status:** Approved with Conditions      **Reviewer:** Cptn Greg Cass      **Approval Date:** 09/28/2005

**Note:** **Ok to Issue:**

- 1) Water main to be 8 inch.
- 2) Life safety plan needed for proposed construction
- 3) Maintain egress from Merrill during demolition and construction.

**Dept:** Planning      **Status:** Approved with Conditions      **Reviewer:** Barbara Barhydt      **Approval Date:** 01/24/2006

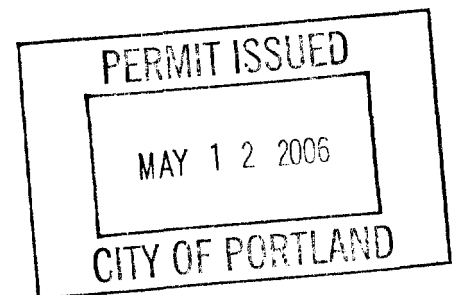
**Note:** **Ok to Issue:**

- 1) All proposed easements shall be finalized before the release of the recording plat and recorded with the plat.
- 2) The conditions contained in the review by Jim Seymour, Development Review Coordinator, Sebago Technics, Inc. Dated January 20, 2006 shall be met prior to the issuance of a building permit.
- 3) The final recording plat meeting the requirements of Portland's Subdivision Ordinance and listing conditions imposed by the Planning Board will be submitted for the Planning Board's signature.
- 4) The driveway apron shall be brick unless the City's sidewalk Policy is revised prior to installation.
- 5) The applicant shall submit evidence that two off-site parking spaces are available for the Chestnut Street Church prior to the reuse of this structure or as part of a change of use review. The applicant shall submit evidence that six parking spaces have been secured to comply with the City's zoning ordinance for the first floor commercial uses prior to the issuance of a certificate of occupancy.
- 6) 1. The applicant shall coordinate with the City regarding the relocation of the CMP pole and the timing of any disruption to the City's communication system. 2. The applicant will continue to explore options to consolidate the overhead utilities onto one pole on Chestnut Street.
- 7) The conditions contained in the review by Jim Seymour, Development Review Coordinator, Sebago Technics, Inc. Dated January 20, 2006 shall be met prior to the issuance of a building permit.
- 8) The applicant shall submit evidence that seven parking spaces have been secured to comply with the City's zoning ordinance for the first floor commercial uses prior to the issuance of a certificate of occupancy.
- 9) The Planning Board voted unanimously to grant the following waivers:
  1. The proposed Granvill lighting fixtures will be compatible with the existing architectural context of the historic Chestnut Street Church and will not produce unacceptable levels of glare and/or light trespass.
  2. The proposed increased setback from the build-to-line (from five feet to eleven feet for roughly 73 feet along Cumberland Avenue and twelve feet on Chestnut Street) does meet the Stie Plan Standards of Section 14-526(a) (16) and by reference the zoning standards of 14-220 (c);
  3. Upon the recommendation of the City's Traffic Engineer and the extended duration times expected for the residential uses, the Planning Board waives the City's Technical Standards for parking lots to allow the proposed parking aisle of 22 feet and twelve compact parking spaces of 8.5 by 19 feet.

<b>Location of Construction;</b> 21 CHESTNUT ST	<b>Owner Name:</b> CHESTNUT STREET LOFTS LLC	<b>Owner Address:</b> ONE INDIA ST	<b>Phone:</b>
<b>Business Name:</b>	<b>Contractor Name:</b> Allied/Cook Construction	<b>Contractor Address:</b> PO Box 1396 Portland	<b>Phone</b> (207) 772-2888
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> Foundation Only/Residential	

- 10 The applicant will conduct a post c  
Avenue, which shall be coordinated with the Department of Public Works.
- 11 All required licenses for the foundation footings shall be obtained piror to the issuance of a building permit.
- 12 The construction mobilization plan shall be revised to maintain egress from Merrill Auditorium during demolition and construction prior to the issuance of a building permit.

Approved by Planning per Jay Reynolds 5/12/06



**From:** Penny Littell  
**To:** Eric Labelle; Jay Reynolds; MICHAEL NUGENT  
**Date:** 5/11/2006 3:38:46 PM  
**Subject:** Fwd: Chestnut Street Lofts LLC

we are all set

>>> "Cito Selinger" <m selinger@curtisthaxter.com> 5/11/2006 3:32:47 PM >>>  
At the request of Richard Berman, I'm sending you both a copy of the recorded License Agreement.

Maurice A. Selinger, III  
Member of the firm

Curtis Thaxter Stevens Broder & Micoleau LLC  
One Canal Plaza  
Portland, Maine 04101  
(207) 774-9000  
(207) 775-0612 (fax)  
[mas@curtisthaxter.com](mailto:mas@curtisthaxter.com)  
[www.curtisthaxter.com](http://www.curtisthaxter.com) <<http://www.curtisthaxter.com/>>

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Any statements in this communication regarding tax matters are not intended to be used, and may not be used, by any recipient for the purpose of avoiding Internal Revenue Service (IRS) penalties. IRS has issued requirements governing the formality and level of detail required in written analysis to be relied upon to avoid penalties; this communication does not meet those requirements.

Doc# 20121 Bk123826 Pg 117

**LICENSE AGREEMENT**

FOR VALUABLE CONSIDERATION, the receipt and sufficiency of which is hereby acknowledged, the CITY OF PORTLAND, a Maine body corporate and politic, with a mailing address of City Hall, 389 Congress Street, Portland, Maine 04101 (the "City"), hereby GRANTS to CHESTNUT STREET LOFTS LLC, a Maine limited liability company with a place of business in Portland, Maine and mailing address c/o Berman Associates, One India Street, Portland, Maine 04101 ("Grantee") a revocable license to occupy the following land owned by the City: (i) the northwesterly side of Cumberland Avenue, (ii) the southwesterly side of Chestnut Street and (iii) a parcel of land described in a deed to the City recorded in the Cumberland County Registry of Deeds in Book 2850, Page 79, all in Portland, Maine (collectively "City's Land"). City's Land abuts certain land of Grantee's located at Cumberland Avenue and Chestnut Street in Portland, Maine, described in Exhibit A attached hereto and made a part hereof, which were conveyed to Grantee by deed of Chestnut Street United Methodist Church dated January 17, 2006 and recorded in said Registry of Deeds in Book 23595, Page 242 (collectively "Grantee's Land"), solely for the purposes described herein, and subject to the following conditions.

1. The license granted herein is given for the following purposes and is located as described below:

A. A license, revocable as provided below, for the encroachment of improvements onto City's Land, extending as follows:

Sixty inches (60") at approximately six feet (6') below grade, from Grantee's Land onto City's Land (i) running southeasterly from the northeast corner of Chestnut Street and Cumberland Avenue a distance of sixty feet (60'), more or less, along the northerly sideline of Chestnut Street; (ii) running northeasterly from the northeast corner of Chestnut Street and Cumberland Avenue a distance of one hundred fourteen feet (114'), more or less, along the northeasterly sideline of Cumberland Avenue, and (iii) running southeasterly from the northernmost corner of Grantee's Land along the boundary of Grantee's Land and that portion of City's Land described in the deed recorded in Book 2850, Page 79 a distance of approximately sixty (60) feet, for the purpose of permitting

March 31, 2006

Joseph E. Gray, City Manager of the City of Portland instrument to be his free act and deed

*Sonia T. Bean*  
Notary Public/Attorney at Law  
name:  
commission expires:

Sonia T. Bean  
Notary Public, Maine

STATE OF MAINE  
CUMBERLAND, SS

PERSONALLY APPEARED the above named Joseph E. Gray of Portland as aforesaid, and acknowledged the foregoing in his said capacity and the free act and deed of the City of Portland

Before me,

*[Signature]*  
Notary Public  
My commission expires:

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3. Licensees shall procure and maintain commercial general liability insurance in an amount of not less than Four Hundred Thousand Dollars (\$400,000) combined single limit, covering claims for bodily injury, death and property damage and shall either name the City of Portland as an additional insured with respect to such coverage or shall obtain a contractual liability endorsement covering the obligations of Licensees under the terms of this license.

4. This license is assignable to any subsequent owners of the buildings located on Grantee's Land.

5. This license may be revoked upon six (6) months written notice by the City in the event that: 1) the buildings shown on the attached plans (Exhibit B) fail to be constructed substantially in accordance with such plans or any amendments thereto; 2) the buildings as shown on such plans or any amendments thereto are destroyed, removed or otherwise thereafter cease to exist on the site at Chestnut Street and Cumberland Avenue for a period of one year or more. City acknowledges that Grantee may amend this Agreement unilaterally for the purpose of correcting the site plans attached hereto as Exhibit B more accurately to show the encroachments described above that are being licensed under this agreement, provide the planning board or planning authority, as applicable, has approved any amended site plan.

6. This License Agreement supersedes and replaces all prior similar agreements between the parties.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed this 31 day of March, 2006.

CITY OF PORTLAND

By: Joseph E. Gray  
Joseph E. Gray  
Its City Manager

CHESTNUT STREET LOFTS LLC

By: Richard Berman  
Richard Berman, its sole Member


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STATE OF MAINE  
CUMBERLAND, SS

March 31, 2006

PERSONALLY APPEARED the above named Joseph E. Gray, City Manager of the City of Portland as aforesaid, and acknowledged the foregoing instrument to be his free act and deed in his said capacity and the free act and deed of the City of Portland.

Before me,



Notary Public/Attorney at Law

print name:

My commission expires:

Sonia T. Bean  
Notary Public, Maine  
My Commission Expires January 10, 2010

O:\MAS\05180 Berman\Chestnut Street\Title\City License Agreement 3\_1\_06.doc



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**EXHIBIT A**

A certain lot or parcel of land, with any structures and improvements thereon, located on the northeasterly side of Chestnut Street and the southeasterly side of Cumberland Avenue, in the City of Portland, County of Cumberland, State of Maine, bounded and described as follows:

Beginning at a point and the intersection of the northeasterly sideline of Chestnut Street and the southeasterly sideline of Cumberland Avenue. Thence:

- 1) N 50°24'16" E by said Cumberland Avenue a distance of one hundred thirteen and 43/100 (113.43) feet to a point and the westerly corner of land now or formerly of the City of Portland as described in a deed recorded in the Cumberland County Registry of Deeds in Book 2850, Page 79.
- 2) S 46°16'58" E by said land of the City of Portland and other land now or formerly of the City of Portland as described in a deed recorded in said Registry in Book 845, Page 93 a distance of one hundred fifty-Three and 19/100 (153.19) feet to a point and other land now or formerly of the City of Portland as described in a deed recorded in said Registry in Book 1596, Page 10.
- 3) S 43°27'58" E by said land of the City of Portland a distance of twenty-six and 52/100 (26.52) feet to a point and the northerly corner of Parcel A as delineated on a plan entitled "Recording Plat Chestnut Street Lofts" to be recorded in said Registry.
- 4) S 45°03'31" W by said Parcel A a distance of seventy-nine 69/100 (79.69) feet to a point and the easterly corner of Parcel B as delineated on said plan.
- 5) N 45°00'58" W by said Parcel B a distance of forty and 40/100 (40.40) feet to a point.
- 6) S 45°12'24" W by said Parcel B a distance of thirty-six and 48/100 (36.48) feet to a point on the northeasterly sideline of said Chestnut Street.
- 7) N 44°47'39" W by said Chestnut Street a distance of one hundred forty-nine and 02/100 (149.02) feet to the point of beginning.

Bearings are referenced to grid north, Maine State Plane Coordinate System, West Zone.

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EXHIBIT B

**PROJECT DATA - CHESTNUT ST.**

**OWNER OF RECORD:**

**NOTES:**

**CITY OF PORTLAND SITE PLAN & SUBDIVISION NOTES:**

**CONDITIONS OF APPROVAL:**

**PLANNING REFERENCES:**

**EXHIBITS AND ENCLOSURES:**

**WAIVERS:**

**LEGEND:**

**LOCUS:**

**NOTE: FINAL APPROVED PLAN IS RECORDED IN PAGE 193**

**CHESTNUT STREET LOFTS**  
28 CHESTNUT ST., PORTLAND, ME 04101

PREPARED FOR:  
CHESTNUT STREET LOFTS, LLC  
ONE INDIA STREET  
PORTLAND, ME 04101

**JFL LUC**

**RECORDING PLAT**  
CHESTNUT STREET LOFTS

1 of 1

Received  
Recorded Register of Deeds  
Apr 05 2006 11:32:30A  
Cumberland County  
John B D'Brien

# Statement of Special Inspections

Project: *Chestnut Street Lofts*  
Location: *29 Chestnut Street, Portland, ME*  
Owner: *Chestnut Street LLC, One India Street, Portland, ME 04101*  
Design Professional in Responsible Charge: *David J. Tetreault, P.E.*

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 Special Inspection Coordinator and the identity of other approved agencies to be retained for conducting these inspections and tests. This *Statement of Special Inspections* encompass the following disciplines:

- Structural       Mechanical/Electrical/Plumbing  
 Architectural       Other: \_\_\_\_\_

The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge. 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 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 Registered Design Professional in Responsible Charge.

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 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.

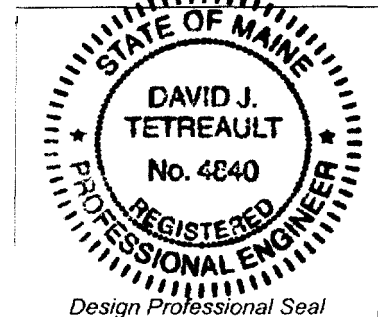
Interim Report Frequency: *monthly* or  per attached schedule

Prepared by:

*David J. Tetreault, P.E.*  
(type or print name)

*David J. Tetreault*  
Signature

*4/10/06*  
Date



Owner's Authorization.

Building Official's Acceptance:

*[Signature]*  
Signature

*04/11/06*  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

## Schedule of Inspection and Testing Agencies

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

- |                                                            |                                                                |
|------------------------------------------------------------|----------------------------------------------------------------|
| <input checked="" type="checkbox"/> Soils and Foundations  | <input type="checkbox"/> Spray Fire Resistant Material         |
| <input checked="" type="checkbox"/> Cast-in-Place Concrete | <input type="checkbox"/> Wood Construction                     |
| <input type="checkbox"/> Precast Concrete                  | <input type="checkbox"/> Exterior Insulation and Finish System |
| <input checked="" type="checkbox"/> Masonry                | <input type="checkbox"/> Mechanical & Electrical Systems       |
| <input checked="" type="checkbox"/> Structural Steel       | <input type="checkbox"/> Architectural Systems                 |
| <input type="checkbox"/> Cold-Formed Steel Framing         | <input type="checkbox"/> Special Cases                         |

#	Agency	Firm	Address, Telephone
1.	Special Inspection Coordinator	<i>Structural Design Consulting, Inc.</i>	<i>22 Oakmont Drive Old Orchard Beach, ME 04064 207-934-8038</i>
2.	Inspector	<i>Sebago Technics</i>	<i>One Chabot Street P.O. Box 1339 Westbrook, ME 04098-1339 207 856-0277</i>
3.	Inspector	<i>S.W Cole Engineering, Inc</i>	<i>286 Portland Road Gray, ME 04039 (207) 657-2866</i>
4.	Testing Agency		
5.	Testing Agency		
6.	Other		

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.

## Quality Assurance Plan

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### Quality Assurance for Seismic Resistance

Seismic Design Category	C
Quality Assurance Plan Required (Y/N)	Y

Description of seismic force resisting system and designated seismic systems:

*The seismic force resisting system consists of eccentrically braced frames (non-moment connections) as shown on Sheet S2.0.*

### Quality Assurance for Wind Requirements

Basic Wind Speed (3 second gust)	100 mph
Wind Exposure Category	C
Quality Assurance Plan Required (Y/N)	N

*The building is in wind exposure Category C with a 3-sec gust basic wind speed less than 110 mph therefore a quality assurance plan for wind is not required (IBC/2003 Section 1706.1.1.2).*

### Statement of Responsibility

Each contractor responsible for the construction or fabrication of a system or component designated above must submit a Statement of Responsibility.

## **Qualifications of Inspectors and Testing Technicians**

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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 if requested.

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

When the Registered Design Professional in Responsible Charge deems it appropriate that the individual performing a stipulated test or inspection have a specific certification or license as indicated below, such designation shall appear below the Agency Number on the Schedule.

PWSE	Structural Engineer – a licensed SE or PE specializing in the design of building structures
PWGE	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

### **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

### **Exterior Design Institute (EDI) Certification**

EDI-EIFS	EIFS Third Party Inspector
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### **Other**

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Item	Req'd Y/N	Agency # (Qualif.)	scope
1. Shallow Foundations	Y	2	<p><i>Inspect soils below footings for adequate bearing capacity and consistency with geotechnical report.</i></p> <p><i>Inspect removal of unsuitable material and preparation of subgrade prior to placement of controlled fill</i></p>
2. Controlled Structural Fill	N		
3. Deep Foundations	N		
4. Load Testing	N		
4. Other	N		



# Cast-in-Place Concrete

Item	Req'd Y/N	Agency # (Qualif.)	scope
1. Mix Design	Y	ACI-CCI ICC-RCSI	Review concrete batch tickets and verify compliance with approved mix design. Verify that water added at the site does not exceed that allowed by the mix design.
2. Material Certification	Y	1	Review certified mill test reports on reinforcing steel
3. Reinforcement Installation	Y	ACI-CCI ICC-RCSI	Inspect size, spacing, cover, positioning and grade of reinforcing steel. Verify that reinforcing bars are free of form oil or other deleterious materials. Inspect bar laps and mechanical splices. Verify that bars are adequately tied and supported on chairs or bolsters
4. Post-Tensioning Operations	N		
5. Welding of Reinforcing	N		
6. Anchor Rods	Y	ACI-CCI ICC-RCSI	Inspect size, positioning and embedment of anchor rods. Inspect concrete placement and consolidation around anchors.
7. Concrete Placement	Y	ACI-CCI ICC-RCSI	Inspect placement of concrete. Verify that concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.
8. Sampling and Testing of Concrete	Y	ACI-CFTT ACI-STT	Test concrete compressive strength (ASTM C31 & C39), slump (ASTM C143), air-content (ASTM C231 or C173) and temperature (ASTM C1064).
9. Curing and Protection	Y	ACI-CCI ICC-RCSI	Inspect curing, cold weather protection and hot weather protection procedures.
10. Other:			

# Masonry

Required Inspection Level:  1  2

Item	Req'd Y/N	Agency # (Qualif.)	Scope
1. Material Certification	Y	I	Review certified mill test reports on reinforcing steel
2. Mixing of Mortar and Grout	Y	ICCSMSI	Inspect proportioning, mixing and retempering of mortar and grout.
3. Installation of Masonry	Y	ICC-SMSI	Inspect size, layout, bonding and placement of masonry units.
4. Mortar Joints	Y	ICC-SMSI	Inspect construction of mortar joints including tooling and filling of head joints.
5. Reinforcement Installation	Y	ICC-SMSI AWS-CWI	Inspect placement, positioning and lapping of reinforcing steel.
6. Prestressed Masonry	N		
7. Grouting Operations	Y	ICC-SMSI	Inspect placement and consolidation of grout. Inspect masonry clean-outs for high-lift grouting.
7. Weather Protection	Y	ICCSMSI	Inspect cold weather protection and hot weather protection procedures. Verify that wall cavities are protected against precipitation.
9. Evaluation of Masonry Strength	Y	ICCSMSI	Test compressive strength of mortar and grout cube samples (ASTM C780). Test compressive strength of masonry prisms (ASTM C1314).
10. Anchors and Ties	Y	ICCSMSI	Inspect size, location, spacing and embedment of dowels, anchors and ties.
11. Other:			

Item	Req'd YIN	Agency # (Qualif.)	scope
1. Fabricator Certification/ Quality Control Procedures <input type="checkbox"/> Fabricator Exempt	Y	A WWAISC- SSI ICC-SWSI	Review shopfabrication and quality control procedures.
2. Material Certification	Y	A WWAISC- SSI ICC-SWSI	Review certified mill test reports <b>and</b> identification markings on wide-flange shapes, high-strength bolts, nuts and welding electrodes
3. Open Web Steel Joists	N		
4. Bolting	Y	AWS/AISC- SSI ICC-SWSI	Inspect installation and tightening of high-strength bolts. Verify that splines have separated from tension control bolts. Verify proper tightening sequence.
5. Welding	Y	AWS-CWI  ASNT	Visually inspect all welds. Inspect pre-heat, post-heat and surface preparation between passes. Verify size and length of fillet welds.  Ultrasonic testing <b>of</b> all 111-penetration welds.
6. Shear Connectors	Y	AWS/AISC- SSI ICC-SWSI	Inspect size, number, positioning and welding <b>of</b> shear connectors. Inspect studs for full 360 degree flash. Ring test all shear connectors with a 3 lb hammer. Bend test all questionable studs to <b>15</b> degrees.
7. Structural Details	Y	PE/SE	Inspect steel frame for compliance with structural drawings, including bracing, member configuration and connection details.
8. Metal Deck	Y	AWS-CWI	Inspect welding and side-lap fastening of metal roof <b>and</b> floor deck.
9. Other:	N		