

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

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

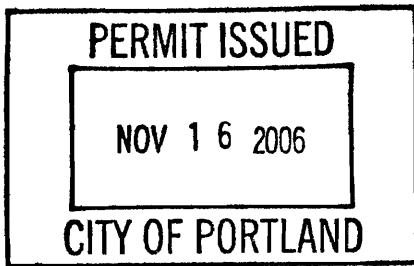
Permit No: 06-1666	Issue Date:	CBL: 027 B003001
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Location of Construction: 9 ELM ST	Owner Name: CITY OF PORTLAND	Owner Address: 389 CONGRESS ST	Phone:
Business Name:	Contractor Name: C.M. Cimino Inc.	Contractor Address: 3 Warren Ave Westbrook	Phone 2078548876
Lessee/Buyer's Name	Phone:	Permit Type: Foundation Only/Commercial	Zone: B3

Past Use: Vacant Land	Proposed Use: Commercial Close in portion of parking garage for transportation center/ FOUNDATION ONLY PERMIT Connected w/ permit # 061537	Permit Fee:	Cost of Work: \$0.00	CEO District: 1
Proposed Project Description: FOUNDATION ONLY PERMIT Connected w/ permit # 061537		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: Type: <i>Foundation only 2003 IBC</i>	
		Signature: <i>JMB 11/16/06</i>		
		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)		
		Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied		
		Signature: Date:		

Permit Taken By: ldobson	Date Applied For: 11/16/2006	<b>Zoning Approval</b>		
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- This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
- Building permits do not include plumbing, septic or electrical work.
- Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..



Special Zone or Reviews	Zoning Appeal	Historic Preservation
<input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input checked="" type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: <i>JMB 11/16/06</i>	<input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date:	<input type="checkbox"/> Not in District or Landmark <input checked="" type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: <i>JMB</i>

**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.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

**From:** "Mike Nugent" <MikeN@dirigomgmt.com>  
**To:** "Steven Lapin" <SLapin@MaguireGroup.com>, <mjn@portlandmaine.gov>  
**Date:** 11/8/2006 3:33:02 PM  
**Subject:** RE: Elm Street Garage Permit questions

Thanks for your response. With regard to the geotechnical aspect of the project and upon receipt of the Statement of Special Inspections, a foundation only permit can be issued by the City, once the Planning Department authorizes it's release. Once excavation has occurred and prior to poring the initial footings, the contracted engineer must confirm the "B" seismic conditions. If the soils are different that those that you are assuming, subsequent review of the moment connections and other Seismic resistance portions of the structure must occur and redesign if necessary.

There is no connection between the street opening permit and the building permit. You can get one at any time from Carol Merritt, Public Works.

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From: Steven Lapin [mailto:SLapin@MaguireGroup.com]  
Sent: Wed 11/8/2006 12:42 PM  
To: Mike Nugent; mjn@portlandmaine.gov  
Cc: mcimino@cmciminoinc.com; pcavanaugh@gpmetrobus.com; Fabrizio Caruso; Steven Phillips; jmb@portlandmaine.gov; PHB@portlandmaine.gov  
Subject: Elm Street Garage Permit questions

Dear Mike,

I am the Project Architect for the Elm Street Garage / Metro project. We last spoke several months ago at the commencement of this project, and you were most helpful in answering some questions. I have been forwarded your questions dated 11/5/06, and we have discussed some of them in your absence with Jeanie Bourke. She asked that we forward our responses to you, and copy her.

We urgently seek your reply, as we are quickly approaching the November 15 deadline for a street opening permit. Kindly get back to us ASAP. If you have any questions, please feel free to e-mail me.

Thank you, and enjoy your vacation!

Steven Lapin, AIA  
Principal Architect

Maguire Group Inc.  
33 Commercial Street, Suite 1  
Foxborough, MA 02035  
Tel. (508) 543-1700 ext. 335  
Fax. (508) 543-5165

E-mail: slapin@maguiregroup.com  
www.maguiregroup.com

1) Are we building the Base Bid or Options 2?

Answer:  
Option 2.

2) Does this project have site plan approval yet?

Answer:

On November 8, 2006, the Portland Planning Authority granted minor site plan approval for an addition to the existing Elm Street Garage in the vicinity of #21 Elm Street, with the following condition:

Portland Planning Authority shall review the details for the repaving of the plaza.

3) There is no geotechnical report, yet the engineer has defaulted to Seismic Site class of "B" and has based his design on this. Please review section 1615.1.1 of the 2003 IBC, where soil properties are unknown, the default site class is "D" which usually translates into a Seismic design category of "C".

Answer:

It is true that no boring were taken for this addition to the existing parking garage. We have reviewed existing drawings for the garage which was built in 1989. The existing footings in this area are shown to be keyed into rock, minimum 6 inches. The rock bearing capacity of 10 Ton per square foot is shown on the existing drawing.

We have followed the same design philosophy for this small addition and have embedded new footings into rock. It is our opinion that since the footings will be founded on rock, selection of Site Class B is reasonable.

4) Please provide a compliance assessment with Section 503 and 406.3.5 with regard to area limitations.

Answer:

Construction Type: 2B, Unprotected  
Per 2003 IBC, Table 406.3.5:  
Area allowed per level: 50,000 s.f.  
Levels allowed: 8

Level 1: 23,890 s.f.  
Level 2: 23,890 s.f.  
Level 3: 23,890 s.f.  
Level 4: 23,890 s.f.  
Level 5: 23,890 s.f.  
Level 6: 22,282 s.f.

5) Please provide a statement of special inspections that complies with all applicable elements of Chapter 17. This will be impacted by the final seismic determination.

Answer:

We are preparing this, and it will be submitted shortly.

6) Assuming that this is an existing open parking structure that complies with the amount of openings required at the time of construction ( for today's requirement it's section 406.3.3.), please provide an assessment of the percentage of preconstruction and post construction openings on the second tier.

Answer:

Second floor garage open area calculations are as follows:  
Gross area of openings along Elm St. façade: 5'-8" h. x 216 l.f. = 1,440 s.f.

Gross area of openings along remainder of garage: 3'-6" h. x 485 l.f. = 1,697 s.f.

Gross area of openings: 3,137 s.f.

Area of existing obstructions: columns, piers, etc: 1,253 s.f.

Total perimeter area= 701 l.f. x 10' h. = 7,010 s.f.

Percentage open area, existing: 26.87%

Area of new infill: 242 s.f.

Percentage open area, proposed: 23.42%

Required open area, IBC 406.3.3 = 20%

7) If Option 2 is what we're reviewing, what is the total square footage of the space? If it surpasses 1500 sq. ft. of total floor area, please review the number of plumbing fixtures. Table 4.1 of the State Plumbing Code (based on the 2000 UPC) requires more than one fixture per gender.

Answer:

The total floor area of the waiting area and office is 1,436 s.f. net. The toilet rooms are not included, since in our view they would not be counted towards the fixture requirement, as this would be a simultaneous use.

Because the UPC does not specifically mention Passenger Terminals and Transportation Facilities, this type of occupancy is to be considered individually per UPC 413.4.3. For comparison purposes, the 2000 Intl. Plumbing Code requires 1 fixture per 500 occupants in this type of facility (IPC Table 403.1)

Due to security considerations, the Metro has indicated that they plan to control access to the bathrooms to one person at a time with a key obtained from the customer service window.

**CC:** <mcimino@cmciminoinc.com>, <pcavanaugh@gpmetrobus.com>, "Fabrizio Caruso" <FCaruso@MaguireGroup.com>, "Steven Phillips" <SPhillips@MaguireGroup.com>, <jmb@portlandmaine.gov>, <PHB@portlandmaine.gov>

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUILDING INSPECTION

PERMIT

PERMIT ISSUED

Permit Number: 061666  
NOV 16 2006

CITY OF PORTLAND

Please Read Application And Notes, if Any, Attached

This is to certify that CITY OF PORTLAND / C. M. Cimino Inc. has permission to FOUNDATION ONLY PERMIT Connected with Permit # 061666 AT 9 ELM ST L 027 B003001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of this State and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in 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 procured before this building or part thereof is laid or closed-in. 24 HOUR NOTICE IS 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

*Joanie Bourke* 11/16/06  
Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

# BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 to schedule your inspections as agreed upon

Permits expire in 6 months, if the project is not started or ceases for 6 months.

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below.

A Pre-construction Meeting will take place upon receipt of your building permit.

- Footing/Building Location Inspection: Prior to pouring concrete
- Re-Bar Schedule Inspection: Prior to pouring concrete
- Foundation Inspection: Prior to placing ANY backfill
- Framing/Rough Plumbing/Electrical: Prior to any insulating or drywalling
- Final/Certificate of Occupancy: Prior to any occupancy of the structure or use. NOTE: There is a \$75.00 fee per inspection at this point.

Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects **DO** require a final inspection

If any of the inspections do not occur, the project cannot go on to the next phase, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.

CERTIFICATE OF OCCUPANCIES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED

*Michael Lewis*  
Signature of Applicant/Designee

11/16/08  
Date

*Arnie Bork*  
Signature of Inspections Official

11/16/08  
Date

CBL: 27-B-3

Building Permit #: 06-1666

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

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<b>Permit No:</b> 06-1666	<b>Date Applied For:</b> 11/16/2006	<b>CBL:</b> 027 B003001
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<b>Location of Construction:</b> 9 ELM ST	<b>Owner Name:</b> CITY OF PORTLAND	<b>Owner Address:</b> 389 CONGRESS ST	<b>Phone:</b>
<b>Business Name:</b>	<b>Contractor Name:</b> C.M. Cimino Inc.	<b>Contractor Address:</b> 3 Warren Ave Westbrook	<b>Phone</b> (207) 854-8876
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> Foundation Only/Commercial	

<b>Proposed Use:</b> Commercial Close in portion of parking garage for transportation center/ FOUNDATION ONLY PERMIT Connected w/ permit # 061537	<b>Proposed Project Description:</b> FOUNDATION ONLY PERMIT Connected w/ permit # 061537
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**Dept:** Zoning      **Status:** Approved with Conditions      **Reviewer:** Jeanine Bourke      **Approval Date:** 11/16/2006  
**Note:**      **Ok to Issue:**

1) Zoning was approved on permit # 06-1537, all conditions apply.

**Dept:** Building      **Status:** Approved with Conditions      **Reviewer:** Jeanine Bourke      **Approval Date:** 11/16/2006  
**Note:**      **Ok to Issue:**

1) This is approved for a FOUNDATION ONLY based on the review by Mike Nugent on permit # 06-1537

**Dept:** Public Works      **Status:** Pending      **Reviewer:**      **Approval Date:**      **Ok to Issue:**

**Dept:** Zoning      **Status:** Approved      **Reviewer:** Marge Schmuckal      **Approval Date:** 10/10/2006  
**Note:**      **Ok to Issue:**

**Dept:** Parks      **Status:**      **Reviewer:**      **Approval Date:**      **Ok to Issue:**

**Dept:** Fire      **Status:** Approved      **Reviewer:** Greg Cass      **Approval Date:** 10/12/2006  
**Note:**      **Ok to Issue:**

**Dept:** DRC      **Status:** Pending      **Reviewer:**      **Approval Date:**      **Ok to Issue:**

**Dept:** Planning      **Status:** Approved with Conditions      **Reviewer:**      **Approval Date:** 11/08/2006  
**Note:**      **Ok to Issue:**

**Comments:**

11/16/2006-ldobson: FEE ON Original permit# 061537

11/16/2006-JMB: Received statement of special inspections, ok to issue foundation only permit

<b>Location of Construction:</b> 9 ELM ST	<b>Owner Name:</b> CITY OF PORTLAND	<b>Owner Address:</b> 389 CONGRESS ST	<b>Phone:</b>
<b>Business Name:</b>	<b>Contractor Name:</b> C.M. Cimino Inc.	<b>Contractor Address:</b> 3 Warren Ave Westbrook	<b>Phone</b> (207) 854-8876
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> Foundation Only/Commercial	

11/9/2006-MJN: Mike Nugent emailed on 11/8/06.... Thanks for your response. With regard to the geotechnical aspect of the project and upon receipt of the Statement of Special Inspections, a foundation only permit can be issued by the City, once the Planning Department authorizes its release. Once excavation has occurred and prior to pouring the initial footings, the contracted engineer must confirm the "B" seismic conditions. If the soils are different than those that you are assuming, subsequent review of the moment connections and other seismic resistance portions of the structure must occur and redesign if necessary.

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**MAGUIRE  
GROUP**

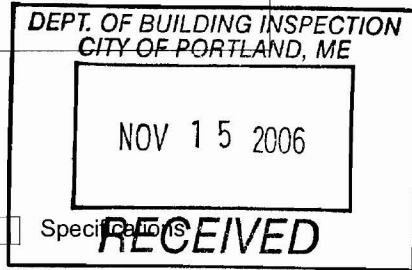
**Maguire Group Inc.**

Architects/Engineers/Planners  
225 Foxborough Boulevard  
Foxborough, Massachusetts 02035  
Telephone 508/543-1700

**Letter of Transmittal**

To: Mr. Peter Cavanaugh  
Director of Operations  
Greater Portland Transit District  
114 Valley Street  
Portland, ME 04102

Date: November 10, 2006	Job No. 17859
Attention:	
RE: Metro Elm Street	



**WE ARE SENDING YOU**

- Attached     Under Separate Cover the following items:
- Shop Drawings     Prints     Plans     Samples     Specifications
- Copy of Letter     Change Order     Other: \_\_\_\_\_

Copies	Date	No.	Description
1			Statement of Special Inspections

**THESE ARE TRANSMITTED as checked below:**

- For approval     Approved as submitted     Resubmit \_\_\_ copies for approval
- For your use     Approved as noted     Submit \_\_\_ copies for distribution
- As requested     Returned for corrections     Return \_\_\_ corrected prints
- For review and comment     PRINTS RETURNED AFTER LOAN TO US
- FOR BIDS DUE:

REMARKS: Peter: Please sign and forward to the Building Inspector. Thank you.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Copy to: \_\_\_\_\_ Signed: Steven Phillips, AIA

# Statement of Special Inspections

Project: *Downtown Portland Transportation Center*

Location: *Elm Street, Portland, Maine*

Owner: *Metro Greater Portland Transit District*

Design Professional in Responsible Charge: *Steven G. Phillips, A. I. A.*

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.

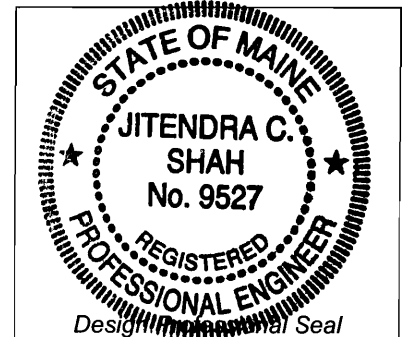
A *Final Report of Special Inspections* documenting completion of all required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.

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

Interim Report Frequency: *Per test/inspection* or  per attached schedule.

Prepared by:

*Jitendra C. Shah, P. E.*  
(type or print name)



*Jitendra C. Shah*      *11/10/2006*  
Signature      Date

Owner's Authorization:

Building Official's Acceptance:

*[Signature]*      *11/15/06*  
Signature      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 type="checkbox"/> Masonry                              | <input type="checkbox"/> Mechanical & Electrical Systems       |
| <input checked="" type="checkbox"/> Structural Steel          | <input type="checkbox"/> Architectural Systems                 |
| <input checked="" type="checkbox"/> Cold-Formed Steel Framing | <input checked="" type="checkbox"/> Special Cases              |

Special Inspection Agencies	Firm	Address, Telephone, e-mail
1. <b>Special Inspection Coordinator</b>	<i>Cimino Inc.</i>	<i>3 Warren Ave, Westbrook, ME 04092 207-854-8876  Mcimino@cmciminoinc.com</i>
2. Inspector		
3. Inspector		
4. Testing Agency	<i>SW Cole</i>	<i>286 Portland Road, Gray, ME 04039 207-657-2866  Rdomingo@swcole.com</i>
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	<i>B</i>
Quality Assurance Plan Required (Y/N)	<i>N</i>

Description of seismic force resisting system and designated seismic systems:

## Quality Assurance for Wind Requirements

Basic Wind Speed (3 second gust)	<i>100</i>
Wind Exposure Category	<i>B</i>
Quality Assurance Plan Required (Y/N)	<i>N</i>

Description of wind force resisting system and designated wind resisting components:

## 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

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.

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

### 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	Agency # (Qualif.)	Scope
1. Shallow Foundations	4 NICET-ST	<p><i>Verify that all footings are founded on rock and keyed into rock as shown on the Contract Documents.</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	4 NICET-ST	<p><i>Perform sieve tests (ASTM D422 &amp; D1140) and modified Proctor tests (ASTM D1557) of each source of fill material.</i></p> <p><i>Inspect placement, lift thickness and compaction of controlled fill.</i></p> <p><i>Test density of each lift of fill by nuclear methods (ASTM D2922)</i></p> <p><i>Verify extent and slope of fill placement.</i></p>

Item	Agency # (Qualif.)	Scope
1. Mix Design	4 <i>ACI-CCI</i>	<i>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.</i>
2. Reinforcement Installation	4 <i>ACI-CCI</i>	<i>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</i>
3. Anchor Rods	4 <i>ACI-CCI</i>	<i>Inspect size, positioning and embedment of anchor rods. Inspect concrete placement and consolidation around anchors.</i>
4. Concrete Placement	4 <i>ACI-CCI</i>	<i>Inspect placement of concrete. Verify that concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.</i>
5. Sampling and Testing of Concrete	4 <i>ACI-CFTT</i>	<i>Test concrete compressive strength (ASTM C31 &amp; C39), slump (ASTM C143), air-content (ASTM C231 or C173) and temperature (ASTM C1064).</i>
6. Curing and Protection	4 <i>ACI-CCI</i>	<i>Inspect curing, cold weather protection and hot weather protection procedures.</i>

Item	Agency # (Qualif.)	Scope
4. Bolting	4 -	<i>Inspect installation and tightening of high-strength bolts. Verify that splines have separated from tension control bolts. Verify proper tightening sequence. Continuous inspection of bolts in slip-critical connections.</i>
5. Welding	4 AWS-CWI	<i>Visually inspect all welds. Inspect pre-heat, post-heat and surface preparation between passes. Verify size and length of fillet welds.</i>
7. Structural Details	4	<i>Inspect steel frame for compliance with structural drawings, including bracing, member configuration and connection details.</i>
8. Metal Deck	4 AWS-CWI	<i>Inspect welding and side-lap fastening of metal roof and floor deck.</i>
9. Other:		



# Cold-Formed Steel Framing

Item	Agency # (Qualif.)	Scope
1. Member Sizes	4	<i>Verify member sizes of cold formed roof purlins.</i>
2. Material Thickness	4	<i>Check the gage of roof purlins and verify that it matches the requirements of the Contact Documents.</i>
6. Framing Details	4	<i>Inspect purlin and blocking connections for compliance with structural drawings and approved shop drawings.</i>

# Special Cases

Item	Agency # (Qualif.)	Scope
<i>1. Adhesive Anchors</i>	4	<i>Check embedment of adhesive anchors. Verify that anchors are installed in accordance with manufacturer's printed installation procedures.</i>