



BISKUP CONSTRUCTION, INC.

16 DANIELLE DRIVE WINDHAM, MAINE 04062

TEL. (207) 892-9800 FAX (207) 892-9895

September 30, 2009

Ms. Tammy Munson
Code Enforcement Director
Portland City Hall –Third Floor
389 Congress Street
Portland, Maine 04101

Re: 2002 Congress Street

Dear Ms. Munson:

Attached is an application for a building permit for Brooklawn Memorial Park located at 2002 Congress Street.

The Owner received approval for a minor site plan from the Planning Department on July 23, 2009 to construct a 4,800 square foot maintenance and storage building to store equipment and supplies used at the park.

The building is a pre-engineered building manufactured by Package Industries located in Sutton MA.. The building will sit on a frost wall with spread footings designed for the structure. Aaron Wilson from Associated Design Partners is the engineer of record for this project.

The Owner has submitted to the planning department the seven sets of drawings along with a performance guarantee and check for inspection fees, as required by the conditions set forth by the Planning Department.

If you have any questions please feel free to contact me at 892-9800.

Sincerely,

James I. Biskup
President

JIB:clc



General Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>2002 Congress Street</u>		
Total Square Footage of Proposed Structure/Area <u>4,800 S.F.</u>		Square Footage of Lot <u>68,946 S.F.</u>
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# <u>211 A 1</u>	Applicant * <u>must be owner, Lessee or Buyer</u> * Name <u>Brooklawn Memorial Park</u> Address <u>2002 Congress Street</u> City, State & Zip <u>Portland, ME 04102</u>	Telephone: <u>773-7679</u>
Lessee/DBA (If Applicable)	Owner (if different from Applicant) Name Address City, State & Zip	Cost Of Work: <u>\$238,000.00</u> <u>\$2,400.00</u> C of O Fee: \$ <u>75.00</u> Total Fee: \$ <u>2,475.00</u>
Current legal use (i.e. single family) <u>Retail and Personal Service</u> If vacant, what was the previous use? _____ Proposed Specific use: <u>Retail and Personal Service</u> Is property part of a subdivision? <u>NO</u> If yes, please name _____ Project description: <u>4,800 S.F. storage/maintenance building for equipment and supplies used at the park.</u>		
Contractor's name: <u>Biskup Construction, Inc.</u> Address: <u>16 Danielle Drive</u> City, State & Zip: <u>Windham, Maine 04062</u> Telephone: <u>892-9800</u> Who should we contact when the permit is ready: <u>Jim Biskup</u> Telephone: <u>892-9800</u> Mailing address: <u>16 Danielle Drive Windham, Maine 04062</u>		

Please submit all of the information outlined on the applicable Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at www.portlandmaine.gov, or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

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

Signature: [Signature] Date: 9/30/09

This is not a permit; you may not commence ANY work until the permit is issue



Certificate of Design Application

From Designer: ASSOCIATED DESIGN PARTNERS INC.
 Date: 7/27/09
 Job Name: BROOKLAWN MEMORIAL PARK - STORAGE BLDG
 Address of Construction: 2002 CONGRESS ST 04102

2003 International Building Code

Construction project was designed to the building code criteria listed below:

Building Code & Year 2003 IRC Use Group Classification (s) MIXED: S-1/B

Type of Construction I

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2003 IRC N

Is the Structure mixed use? Y If yes, separated or non separated ~~or non separated~~ (section 302.3) SEPARATED - 1 HR

Supervisory alarm System? Y Geotechnical/Soils report required? (See Section 1802.2) Y

Structural Design Calculations

Submitted for all structural members (106.1 - 106.11)

Design Loads on Construction Documents (1603)

Floor Area Use	Loads Shown
<u>STORAGE</u>	<u>125 PSF</u>
<u>OFFICE</u>	<u>50 PSF</u>

Wind loads (1603.1.4, 1609)

ANALYTIC Design option utilized (1609.1.1, 1609.6)
94 Basic wind speed (1809.3)
1.0 Building category and wind importance Factor, I_w (table 1604.5, 1609.5)
B Wind exposure category (1609.4)
H-0.18 Internal pressure coefficient (ASCE 7)
 $P_u = 27.62$ Component and cladding pressures (1609.1.1, 1609.6.2.2)
 Main force wind pressures (1603.1.1, 1609.6.2.1)

Earth design data (1603.1.5, 1614-1623)

1617.4 Design option utilized (1614.1)
I Seismic use group ("Category")
0.32/0.12 Spectral response coefficients, S_s & S_1 (1615.1)
D Site class (1615.1.5)

Live load reduction
20 Roof live loads (1603.1.2, 1607.11)
42 Roof snow loads (1603.7.3, 1608)
60 Ground snow load, P_g (1608.2)
42 If $P_g > 10$ psf, flat-roof snow load P_f
1 If $P_g > 10$ psf, snow exposure factor, C_e
1 If $P_g > 10$ psf, snow load importance factor, I_s
1 Roof thermal factor, C_t (1608.4)
42 Sloped roof snowload, P_s (1608.4)
B Seismic design category (1616.3)
OCBE/OMF Basic seismic force resisting system (1617.6.2)
3/5 Response modification coefficient, R , and
3/4.5 deflection amplification factor, C_d (1617.6.2)
1617.4 Analysis procedure (1616.6, 1617.5)
 Design base shear (1617.4, 1617.5.1)

Flood loads (1803.1.6, 1612)

N.A. Flood Hazard area (1612.3)
N.A. Elevation of structure

Other loads

N.A. Concentrated loads (1607.4)
N.A. Partition loads (1607.5)
N.A. Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404)



Certificate of Design

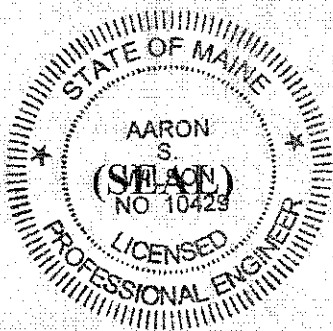
Date: 9.29.09

From: Aaron Wilson

These plans and / or specifications covering construction work on:

Storage Building - Foundation

Have been designed and drawn up by the undersigned, a Maine registered Architect / Engineer according to the *2003 International Building Code* and local amendments.



Signature: A. S. Wilson

Title: Vice President

Firm: ASSOCIATED DESIGN PARTNERS INC

Address: 80 LEIGHTON RD

FALMOUTH ME 04105

Phone: 207 878 1757

For more information or to download this form and other permit applications visit the Inspections Division on our website at www.portlandmaine.gov



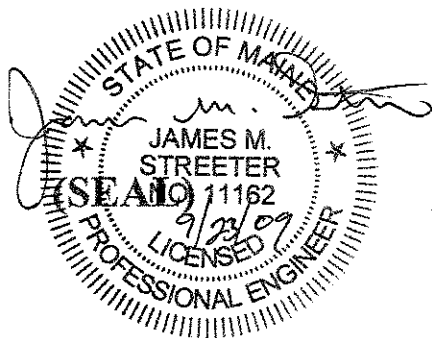
Accessibility Building Code Certificate

Designer: James M. Streeter PE

Address of Project: 2002 Congress Street

Nature of Project: Storage Building

The technical submissions covering the proposed construction work as described above have been designed in compliance with applicable referenced standards found in the Maine Human Rights Law and Federal Americans with Disability Act. Residential Buildings with 4 units or more must conform to the Federal Fair Housing Accessibility Standards. Please provide proof of compliance if applicable.



Signature: *James M. Streeter*

Title: Professional Engineer

Firm: J.M. Streeter Architectural/Engineer

Address: 66 Garsoe Street

Portland, ME 04103

Phone: 797-3093

For more information or to download this form and other permit applications visit the Inspections Division on our website at www.portlandmaine.gov



State of Maine
Department of Public Safety
Construction Permit



Reviewed
for Barrier
Free

Not Sprinkled

18638

BROOKLAWN MEMORIAL PARK
Located at: 2002 CONGRESS STREET
PORTLAND
Occupancy/Use: STORAGE

Permission is hereby given to:

BROOKLAWN MEMORIAL PARK

2002 CONGRESS STREET
PORTLAND, ME 04102

to construct or alter the afore referenced building according to the plans hitherto filed with the Commisioner and now approved.

No departure from application form/plans shall be made without prior approval in writing. This permit is issued under the provision of Title 25, Chapter 317, Section 2448 and the provisions of Title 5, Section 4594 - F.

Nothing herein shall excuse the holder of this permit for failure to comply with local ordinances, zoning laws, or other pertinent legal restrictions. Each permit issued shall be displayed/available at the site of construction.

This permit will expire at midnight on the 23 rd of March 2010

Dated the 24 th day of September A.D. 2009

Commissioner

Copy-1 Owner

Comments:

BROOKLAWN MEMORIAL PARK

2002 CONGRESS STREET
PORTLAND, ME 04102

**STATEMENT OF SPECIAL
CONSTRUCTION MONITORING**

PROJECT: STORAGE BUILDING
Brooklawn Memorial Park, Portland, Maine

PERMIT APPLICANT: Jim Biskup – Biskup Construction
APPLICANT'S ADDRESS: 16 Danielle Dr, Windham, ME 04062

STRUCTURAL ENGINEER OF RECORD

Foundations: Associated Design Partners, Inc
Pre-Fabricated Steel Building: Package Industries, Inc.

CONTRACTOR: Biskup Construction

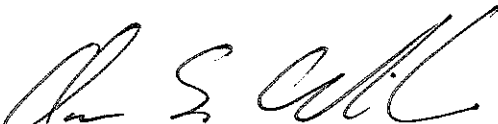
This Statement of Special Construction Monitoring is submitted as a condition for building permit issuance in accordance with Section 1704.0 of the 2003 International Building Code. It includes the Schedule of Special Construction Monitoring and Testing as applicable to this project. Also included is a listing of agents and other approved agencies to be retained for conducting the monitoring and testing applicable to this project.

The Special Construction Monitoring Coordinator shall keep records of all observations listed herein, and shall furnish field reports to the Registered Design Professional of Record. All discrepancies shall be brought to the immediate attention of the Contractor for correction, and to the Registered Design Professional of Record. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the Registered Design Professional of Record. Interim reports shall be submitted to the Registered Design Professional of Record monthly, unless more frequent submissions are requested.

The Special Construction Monitoring program does not relieve the Contractor of his or her responsibilities. Job site safety is solely the responsibility of the Contractor. Materials and activities covered under the monitoring schedule are not to include the Contractor's equipment and methods used to erect or install the materials listed.

Prepared by:

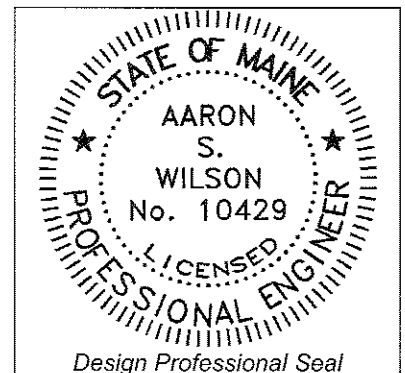
Aaron S. Wilson
(type or print name)



Signature

9-27-09

Date



Owner's Authorization:

Building Official's Acceptance:



9/28/09

Signature

Date

Signature

Date

SPECIAL CONSTRUCTION MONITORING AGENTS

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

- | | |
|---|--|
| <input checked="" type="checkbox"/> Soils and Foundations | <input type="checkbox"/> Spray Fire Resistant Material |
| <input type="checkbox"/> Cast-in-Place Concrete Retaining walls | <input checked="" 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 type="checkbox"/> Cold-Formed Steel Framing | <input type="checkbox"/> Special Cases |

AGENT	FIRM	CONTACT INFORMATION
1. Engineer of Record (Foundations & Wood Framing)	Associated Design Partners	80 Leighton Rd Falmouth ME 04105 Ph: 878-1751
2. Special Construction Monitoring Coordinator	Associated Design Partners	80 Leighton Rd Falmouth ME 04105 Ph: 878-1751
3. Field Monitor	S.W. Cole	286 Portland Road Gray, ME 04039-9586 P: (207) 657.2866
4. Testing Agency	S.W. Cole	286 Portland Road Gray, ME 04039-9586 P: (207) 657.2866
5. Engineer of Record (Pre-Fab Metal Building)	Package Industries, Inc	15 Harback Rd Sutton, MA 01590 PH. (508) 865-5871

Note: The testing agency 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 FOR LATERAL SYSTEMS

Quality Assurance for Seismic Requirements

Seismic Design Category *B*

Quality Assurance Plan Required (Y/N) *N*

If seismic design category C, and plan is not required, explain (see exceptions to 1705.1)

Description of seismic force resisting system and designated seismic systems:

Ordinary Steel Moment Frames, Ordinary Concentric Steel Braced Frames.

Quality Assurance for Wind Requirements

Basic Wind Speed (3 second gust) *94MPH*

Quality Assurance Plan Required (Y/N) *N*

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

Ordinary Steel Moment Frames, Ordinary Concentric Brace Frames at metal building.

Statement of Responsibility

Each contractor responsible for the construction or fabrication of a system or component designated above must submit a Statement of Responsibility in accordance with section 1705.3, and 1706.3 of the 2003 IBC code.

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.

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

TABLE 1 – SCHEDULE OF SPECIAL CONSTRUCTION MONITORING

MATERIAL / ACTIVITY		EXTENT of MONITORING (Continuous, Periodic, Other, Exempt, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
1704.3 STEEL CONSTRUCTION						
1. Material Verification of high strength bolts, nuts, and washers.	a. Identification markings to conform to ASTM standards specified in the approved construction documents.	Periodic	Provide inspection reports for field installed bolts to Agent 5 also.	3		
	b. Manufacturers Certificate of Compliance required.	Other	Fabricator to provide Certificate to Agent 1.	5		
2. Inspection of High – Strength Bolting	a. Bearing type connections	Periodic	Provide inspection reports to Agent 5 also.	3		
	b. Slip – critical connections	None	No S-C connections in building			
3. Material Verification of structural steel	a. Identification marking to conform to ASTM standards specified in the contract documents.	Exempt	Fabricator is AISC certified.			
	b. Manufacturers certified mill test Reports.	Exempt	Fabricator to provide Certificate to Agent 1.	5		
4. Material Verification of weld filler materials:	a. Identification marking to conform to AWS standards specified in the contract documents.	Exempt	Fabricator is AISC certified.			
	b. Manufacturers Certificate of Compliance required.	Exempt	No field welding. Shop welding performed by AISC certified fabricator			
5. Inspection of Welding – Structural Steel	a. Single Pass fillet welds < 5/16”	Exempt	No field welding. Shop welding performed by AISC certified fabricator			
	b. Roof deck attachment	Periodic	Provide inspection reports to Agent 5 also.	3		
6. Inspection of Steel Frame Joint details for compliance with approved documents.	a. Bracing / moment frame connections	Periodic	Provide inspection reports to Agent 5 also.	3		
	b. Member locations	Periodic	Provide inspection reports to Agent 5 also.	3		
	c. Application of joint details at each connection.	Periodic	Provide inspection reports to Agent 5 also.	3		

TABLE 1 – STATEMENT OF SPECIAL INSPECTIONS, cont.

MATERIAL/ACTIVITY	EXTENT of INSPECTION (Continuous, Periodic, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
1704.4 CONCRETE CONSTRUCTION					
1. Inspection of reinforcing steel, including placement.	Periodic		3		
2. Inspection of reinforcing steel welding	None	No welding of rebar specified in contract drawings			
3. Inspect bolts embedded into concrete prior to and during placement of concrete where allowable loads have been increased.	None	Allowable loads have not been increased for lateral loads.			
4. Verify concrete mix design(s)	Periodic	SER to review and approve mix design(s) prior to delivery. Field agent to verify delivery ticket matches approved mix design.	1,3		
5. Sample fresh concrete for strength tests, perform slump and air content tests, and determine temperature of concrete.	Continuous		3,4		
6. Inspection of concrete placement for proper techniques.	Continuous		3		
7. Inspection for maintenance of specified curing temperature and techniques.	Periodic		3		
1704.5 MASONRY CONSTRUCTION - Level 1 Special Inspection for non-essential facility – 1704.5.2					
1. As Masonry Construction begins, the following shall be verified to ensure conformance	a. Proportions of site-prepared mortar	None			
	b. Construction of mortar joints	None			
	c. Location of reinforcement	None			
	d. Pre-stressing technique	None	No pre-stressing in building		
	e. Grade and size of pre-stressing tendons.	None	No pre-stressing in building		
2. The Inspection program shall verify the following:	a. Size and location of structural elements.	None			
	b. Type, size, and location of embedded anchors.	None			
	c. Size, grade, and type of reinforcing	None			

TABLE 1 – STATEMENT OF SPECIAL INSPECTIONS, cont.

MATERIAL/ACTIVITY		EXTENT of INSPECTION (Continuous, Periodic, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
1704.5 MASONRY CONSTRUCTION - Level 1 Special Inspection for non-essential facility – 1704.5.2						
2. The Inspection program shall verify the following, cont:	d. welding of reinforcing bars	None				
	e. Protection of Masonry during cold weather (temp. below 40 deg F.)	None				
	f. Application and measurement of pre-stressing reinforcement	None	No pre-stressing in building			
3. Prior to grouting, the following shall be verified to ensure compliance.	a. Grout space is clean	None				
	b. Placement of reinforcement	None				
	c. Proportions of site-prepared grout	None				
	d. Construction of mortar joints	None				
4. Grout placement shall be verified to ensure compliance with code and construction document provisions.		None				
5. Preparation of any grout specimens, mortar specimens and/or prisms shall be observed		None				
6. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.		None				
1704.6 WOOD CONSTRUCTION						
1. Horizontal Diaphragms and Vertical Shearwalls	a. Inspect sheathing size, grade, and thickness for conformance with construction documents.	Periodic	Mezzanine Diaphragm and shearwalls	3		
	b. Inspect sheathing fastener size and pattern for conformance with construction documents.	Periodic	Mezzanine Diaphragm and shearwalls	3		
	c. Verify attachment to supporting elements is per contract documents.	Periodic	Mezzanine Diaphragm and shearwalls	3		
2. Wood truss fabricator certification / quality control procedures	Verify shop fabrication and quality control procedures for wood truss plant.	None				
3. Material Grading	Verify material grading for sawn lumber for compliance with construction documents. Verify manufactured lumber (LVL'S, PSL's) for conformance with construction documents.	None				

TABLE 1 – STATEMENT OF SPECIAL INSPECTIONS, cont.

MATERIAL/ACTIVITY	EXTENT of INSPECTION (Continuous, Periodic, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
1704.6 WOOD CONSTRUCTION					
4. Wood Connections	Verify that connections are made as shown in the contract documents. For connections not specifically detailed, verify conformance with IBC 2003 Ch. 23	None			
5. Framing	Verify that framing is installed in accordance with construction documents.	Periodic	Mezzanine I-joists	3	
6. Pre-Fabricated Wood Trusses	Inspect truss and all bracing installation. Bracing to be installed per fabricator's recommendations and BCSI 1-03	None			
1704.7 SOILS					
1. Site Preparation	Inspect preparation of site for conformance with Geotechnical recommendations prior to placement of prepared fill.	Periodic		3	
2. Fill Placement	During Fill Placement verify that material and lift thickness comply with approved Geotechnical report.	Periodic		3	
3. In-Place Soil Density	Verify compliance of in-place compacted dry density with approved Geotechnical report.	Periodic		3	
1704.7 PILE FOUNDATIONS	Record installation and testing of procedures of each pile. Submit reports to building official and EOR. Reports to include pile tip cutoff elevation relative to a common benchmark.	None	No Piles on Job		
1704.10 ARCHITECTURAL WALL PANELS AND VENEERS	Verify compliance of attachment of interior and exterior Architectural veneers to supporting structure for building in Seismic Design Category E or F.	None	Building is Seismic Design Category B		

TABLE 1 – STATEMENT OF SPECIAL INSPECTIONS, cont.

MATERIAL/ACTIVITY		EXTENT of INSPECTION (Continuous, Periodic, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
1704.11 SPRAYED FIRE-RESISTANT MATERIAL	a. Verify conformance of the prepared surface with manufacturer's specifications prior to application of material.	None	No Sprayed Fire-Resistant material in building.			
	b. Verify that substrate's ambient temperature meet manufacturer's specifications.	None				
	c. Verify that material thickness meets design specifications.	None				
	d. Verify that the material density meets the design specifications. Test in accordance with ASTM E 605.	None				
	e. Verify that bond strength between material and substrate is greater than or equal to 150 psf. Test in accordance with ASTM E 736 and IBC 2003 1704.11.5.1 – 1704.11.5.2	None				
1704.12 EXTERIOR AND INSULATION AND FINISH SYSTEMS (EIFS)	Verify conformance of EIFS installation with manufacturers and design specifications.	None	No EIFS on building.			
1704.13 SPECIAL CASES COLD FORMED METAL FRAMING						
1. Framing	Verify member size, thickness, material, and spacing is in accordance with design specifications and drawings.	None				
2. Framing Connections	Verify that member connections are in accordance with design specifications and drawings.	None				
3. Welding	Verify welding of cold formed members is in accordance with design specifications and AWS standards.	None				

TABLE 1 – STATEMENT OF SPECIAL INSPECTIONS, cont.

MATERIAL/ACTIVITY		EXTENT of INSPECTION (Continuous, Periodic, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
4. Light Gage Trusses	a. Verify that light gage trusses are design in accordance with the loads specified on the contract documents.	None				
	b. Verify that light gage trusses and truss bracing is installed per manufacturers specifications, contract documents, and BCSI 1-03 guidelines.	None				
1704.10 SMOKE CONTROL	a. Test ductwork for leakage and recode device locations prior to concealment of mechanical systems.	None				
	b. Prior to building occupation, perform pressure difference testing, flow measurements and detection, and control monitoring.	None				