Form # P 04

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUILDING INSPECTION

PERMIT

Please Read Application And Notes, If Any, Attached

PERMIT ISSUED
Permit Number: 051783
MAR 10 2006
CITY OF PORTLAND

This is to *certify* that RIVERSIDE WELDERS LIMITED LIABILITY COMPANY dba tco

has permission to 6000 sf pre-engineered steel [illegible] ned bldg [illegible] eter fros[illegible]all foundation and slab on grade

AT 557 RIVERSIDE ST C[illegible] 312 B002001

provided that the person or persons [illegible]rm or [illegible]tion a[illegible]epting this permit shall comply with all of the provisions of the Statutes of [illegible]ine and of the O[illegible]nances of the City of Portland regulating the construction, maintenance and u[illegible]e of buildings and [illegible]uctures, 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.

N[illegible]ficatio[illegible]f inspe[illegible]on mus[illegible]e g[illegible]n and w[illegible]en perm[illegible]on proc[illegible]d b[illegible]re this [illegible]ding or [illegible]rt there[illegible]s i[illegible]ed or [illegible]orwi[illegible]osed-in [illegible]4 H[illegible]UR NOT[illegible]REQUIRED.

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

OTHER REQUIRED APPROVALS

Fire Dept [illegible] 2-21-06

Health Dept

Other Board

Department Name

Director - Building & Inspection Services 3/10/06

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

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

PERMIT ISSUED
MAR 10 2006
CITY OF PORTLAND

Permit No:	Issue Date:	CBL:
05-1783		312 B001001

Location of Construction:	Owner Name:	Owner Address:	Phone:
563-567 Riverside St	Six G's Coed LLC	557 Riverside St	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone:**
	Patco Construction	1293 Main St Sanford	2073245574
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	**Zone:**
		Commercial	I-M

Past Use:	Proposed Use:	Permit Fee:	cost of work:	CEO District:
1 existing warehouse & accessory offices on the lot	Commercial 6000 sf pre-engineered steel framed bldg w/ 4' perimeter frost wall foundation and slab on grade	$2,562.00	$274,000.00	5

FIRE DEPT: ☑ Approved ☐ Denied

Signature: Corey Cass

INSPECTION: Use Group: F1/B Type: 5B

3/10/06

Signature: Chris Cougill

Proposed Project Description:

6000 sf pre-engineered steel framed bldg. W/ 4' perimeter frost wall foundation and slab on grade

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action: ☐ Approved ☐ Approved w/Conditions ☐ Denied

Signature: Date:

Permit Taken By:	Date Applied For:
dmartin	12/08/2005

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
2. Building permits do not include plumbing, septic or electrical work.
3. 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..

Zoning Approval

Special Zone or Reviews	Zoning Appeal	Historic Preservation
☐ Shoreland N/A	☐ Variance	☑ Not in District or Landmark
☐ Wetland	☐ Miscellaneous	☐ Does Not Require Review
☐ Flood Zone Panel 6 Zone X	☐ Conditional Use	☐ Requires Review
☐ Subdivision	☐ Interpretation	☐ Approved
☒ Site Plan # 2005-0166	☐ Approved	☐ Approved w/Conditions
Maj ☐ Minor ☒ MM ☐	☐ Denied	☐ Denied
OK with conditions		
Date: 2/10/06	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.

SIGNATURE OF APPLICANT | ADDRESS | DATE | PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE | DATE | PHONE

Planning and DevelopmentDepartment
Lee 0. Urban, Director

Planning Division
Alexander Jaegerman, Director

February 9,2006

Mr. Eric Johnson
Six G's Coed LLC
557 Riverside Street
Portland, **ME** 04103

RE: 563 Riverside Street, Industrial Building
ID #2005-0166, CBL #306-B-001

Dear Mr. Johnson:

On February 9, 2006, the Portland Planning Authority approved the site plan for a 6,000 sq. ft. industrial building to be located at 563 Riverside Street as shown on the approved plan.

The approval is based on the submitted site plan. If you need to make any modifications to the approved site plan, you must submit a revised site plan for staff review and approval.

Please note the following provisions and requirements for all site plan approvals:

1. Where submission drawings are available in electronic form, the applicant shall submit any available electronic Autocad files (*.dwg), release 14 or greater, with seven **(7)** sets of the final plans.

2. A performance guarantee covering the site improvements as well as an inspection fee payment of 2.0% of the guarantee amount and 7 final sets of plans must be submitted to and approved by the Planning Division and Public Works prior to the release of the building permit. If you need to make any modifications to the approved site plan, you must submit a revised site plan for staff review and approval.

3. The site plan approval will be deemed to have expired unless work in the development has commenced within one (1) year of the approval or within a time period agreed upon in writing by the City and the applicant. Requests to extend approvals must be received before the expiration date.

City of Portland, Maine - Building or Use Permit

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

Permit No:	Date Applied For:	CBL:
05-1783	12/08/2005	312 B002001

Location of Construction:	Owner Name:	Owner Address:	Phone:
557 Riverside St	Riverside Welders Limited	557 Riverside St	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Patco Construction	1293 Main St Sanford	(207) 324-5574
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	
		Commercial	

Commercial 6000 sf pre-engineered steel framed bldg w/ 4' perimeter frost wall foundation and slab on grade	6000 sf pre-engineered steel framed bldg. W/ 4' perimeter frost wall foundation and slab on grade

Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Marge Schmuckal **Approval Date:** 02/10/2006

Note: 2/9/06 received from Mike N. 2/10/06 received stamped approved site plan from Kandi - planning still needs the performance guarantee before issuance **Ok to Issue:** ☑

1) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.

2) This building is being approved for warehouse with accessory offices. Any change of use shall require separate permits for review and approval.

3) Separate permits shall be required for any new signage.

Dept: Building **Status:** Approved with Conditions **Reviewer:** Mike Nugent **Approval Date:** 03/10/2006

Note: **Ok to Issue:** ☑

1) HVAC plans must be submitted and a separate permit are required prior to installation.

2) The thickness of concrete floor slabs supported directly on the ground shall not be less than 3 1/2 inches (89 mm).A6-mil (0.006 inch; 152 mm) polyethylene vapor retarder with joints lapped not less than 6 inches (152 mm) shall be placed between the base course or subgrade and the concrete floor slab, or other approved equivalent methods or materials shall be used to retard vapor transmission through the floor slab.

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Cptn Greg Cass **Approval Date:** 02/21/2006

Note: **Ok to Issue:** ☐

1) Sprinkler plan required

2) All seperations shall be 1 hour fire and smoke rated.

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Cptn Greg Cass **Approval Date:** 08/03/2005

Note: **Ok to Issue:** ☐

I) Maintain access and egress for fire apperatious.

2) Fire hydrant required every 500 feet.

Dept: DRC **Status:** Approved **Reviewer:** Steve Bushey **Approval Date:** 02/09/2006

Note: **Ok to Issue:** ☐

Dept: Planning **Status:** Approved **Reviewer:** Kandi Talbot **Approval Date:** 02/09/2006

Note: **Ok to Issue:** ☑

Comments:

Location of Construction:	Owner Name:	Owner Address:	Phone:
557 Riverside St	Riverside Welders Limited	557 Riverside St	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Patco Construction	1293 Main St Sanford	(207) 324-5574
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	
		Commercial	

2/10/2006-GG: received plans and pdf file. /gg

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.

N/A	**Footing/Building** Location Inspection;	Prior to pouring concrete
N/A	**R**e-Bar Schedule Inspection:	Prior to pouring concrete
N/A	**Foundation** Inspection:	Prior to placing **ANY** backfill
Call	**Framing/Rough Plumbing/Electrical:**	Prior to any insulating or drywalling
Call	**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.

_____ CERIFICATE OF OCCUPANICES MUST BE ISSUED AND PAID **FOR, BEFORE THE** SPACE MAY BE OCCUPIED

[signature] 3/10/06
Signature of Applicant/Designee Date

[signature] 3/10/06
Signature of Inspections Official Date

CBL: 312 B002 Building Permit #: 05178

FROM DESIGNER: JOHN W. EINSPENNER, P.E.

DATE: FEB. 21, 2006

Job Name: PHOENIX WELDING

Address of Construction: 557 RIVERSIDE ST.

2003 *International Building Code*

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

Building Code and Year 2003 IBC Use Group Classification(s) F1

Type of Construction VB

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2003 IRC NO

Is the Structure mixed use? YES if yes, separated or non separated (see Section 302.3) NON - SEPARATED

Supervisory alarm system? YES Geotechnical/Soils report required?(See Section 1802.2) BY OTHERS

STRUCTURAL DESIGN CALCULATIONS

_____ Submitted for all structural members *(106.1, 106.1.1)*

DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1603)

Uniformly distributed floor live loads *(7603.31, 1607)*

Floor Area Use	Loads Shown

Wind loads *(1603.1.4, 1609)*

_____ Design option utilized (1609.1. 1, 1609.6)

_____ Basic wind speed *(1809.3)*

_____ Building category and wind importance factor, I_w (Table 1604.5, 1609.5)

_____ Wind exposure category *(1609.4)*

_____ Internal pressure coefficient *(ASCE 7)*

_____ Component and cladding pressures *(1609.1.1; 1609.6.2.2)*

_____ Main force wind pressures (7603.1. 1, *1609.6.2.1)*

Earthquake design data *(1603.1.5, 1614 - 1623)*

_____ Design option utilized *(1614.1)*

_____ Seismic use group ("Category") *(Table 1604.5, 1616.2)*

_____ Spectral response coefficients, S_{DS} & S_{D1} *(1615.1)*

_____ Site class *(1615.1.5)*

_____ Live load reduction *(1603.1.1, 1607.9, 1607.10)*

_____ Roof live loads *(1603.1.2, 1607.11)*

Roof snow loads *(7603.7.3,1608)*

_____ Ground snow load, P_g (1608.2)

_____ If P_g > 10psf, flat-roof snow load, P_f *(1608.3)*

_____ If P_g > 10psf, snow exposure factor, C_e *(Table 1608.3.1)*

_____ If P_g > 10 psf, snow load importance factor, I_s *(Table 1604.5)*

_____ Roof thermal factor, C_t *(Table 1608.3.2)*

_____ Sloped roof snowload, P_s *(1608.4)*

_____ Seismic design category *(1616.3)*

_____ Basic seismic-force-resisting system *(Table 1617.6.2)*

_____ Response modification coefficient, R_I and deflection amplification factor, C_d *(Table 1617.6.2)*

_____ Analysis procedure *(1616.6, 1617.5)*

_____ Design base shear (1617.4, *1617.5.1)*

Flood loads *(1603.1.6, 1612)*

_____ Flood hazard area (1612.3)

_____ Elevation of structure

Other loads

_____ Concentrated loads (1607.4)

_____ Partition loads (1607.5)

_____ Impact loads *(1607.8)*

_____ Misc. loads *(Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404)*

SUCH ENGINEERING

NOT VALID WITHOUT

Permit #
Permit #
Permit Date
Permit Date

Generated by COMcheck-Web Software

Envelope Compliance Certificate

2003 IECC

Report Date: 02/12/06

Section 1: Project Information

Project Title: Phoenix Welding

Construction Site:
557 Riverside Street
Portland, Maine

Owner/Agent:

Designer/Contractor:
John Einsiedler. R.A./Patco Construction
Maine

Section 2: General Information

Building Location (for weatherdata):	**Portland, Maine**
Climate Zone:	**15**
Heating Degree Days (base 65 degrees F):	**7378**
Cooling Degree Days (base 65 degrees F):	**268**
Project Type:	New Construction
Glazing Area Percentage:	9%

Building Type	Floor Area
Office	*6066*

Section 3: Requirements Checklist

Climate-Specific Requirements:

Component Name/Description	Gross Area or Perimeter	Cavity R-value	Cont. R-value	Proposed U-Factor	Budget U-Factor
Roof 1: Metal, without Thermal Blocks	6400	19.0	*0.0*	0.101	0.053
Ext. Wall 1: Wood Frame, Any Spacing	4570	19.0	*0.0*	0.068	0.075
Window 1. **Other.** Clear, SHGC 0.68	414	---	---	0.065	0.526
Door 1: Solid	186	---	---	0.090	0.122
Floor1: Unheated Slab-On-Grade	320	---	0.0	---	---

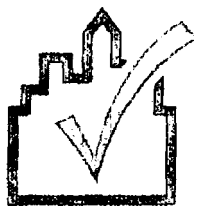
(a) Buoget U-factors are used for software baseline calculations ONLY, and are **not** code requirements.

Air Leakage, Component Certification, and Vapor Retarder Requirements:

- ☐ 1. All joints and penetrations are caulked, gasketed. weather-stripped. or otherwise sealed.
- ☐ 2 Windows, doors, and skylights certified as meeting leakage requirements.
- ☐ 3. Component R-values & U-factors labeled as certified.
- ☐ 4. Stair, elevator shaft vents, and other dampers integral to the building envelope are equipped with motorized dampers.
- ☐ 5 Cargo doors and loading dock doors are weather sealed.
- ☐ 6. Recessed lighting fixtures are: (i)Type IC rated and sealed *or* gasketed; or (ii) installed inside an appropriate air-light assembly wtth a 0.5 inch clearance from combustible materials and with 3 inches clearance from insulation material
- ☐ 7. Building entrance doors have a veslibule and equipped wilh closing devices

Permit #

Permit Date



Generated by COMcheck-Web Software

Lighting Compliance Certificate

2003 IECC

Report Date: 02/12/06

Section 1: Project Information

Project Title: Phoenix Welding

Construction Site:
557 Riverside Street
Portland, Maine

Owner/Agent:

Designer/Contractor:
John Einsiedler, R.A./Patco Construction
Maine

Section 2: General Information

Building Use Description by:
Project Type: **New Construction**

Building Type	Floor Area
Office	*6066*

Section 3: Requirements Checklist

Interior Lighting:

☐ 1. Total actual watts must be less than or equal to total allowed watts.

Allowed Watts	Actual Watts	Complies
6066	0	YES

☐ 2. Exit signs 5 Watts or less per side.

Exterior Lighting:

☐ 3. Efficacy greater than 45 lumens#.
Exceptions:
Specialized lighting highlighting features of historic buildings; signage; safety or security lighting; low-voltage landscape lighting.

Controls, Switching, and Wiring:

☐ 4. Independenl controls for each space (switch/occupancy sensor).
Exceptions;
Areas that must be continuously illuminated.

☐ 5. Master switch at entry to hotel/motel guest room.
☐ 6. Individual dwelling units separately metered.
☐ 7. Each space provided wilh a manual control to provide uniform light reduction by at least 50%.
Exceptions
Only one luminaire in space;
An occupant-sensing device controls the area,
The area is a corridor, storeroom, restroom, public lobby or guest room;
Areas that must be continuously illuminated;
Areas that use less Ihan 0 6 Watts/sq.ft.

- ❑ 8. Automatic lighting shutoff control in buildings larger than 5,000 sq.ft.
- ❑ 9. Photocell/astronomical time switch on exterior lights.
  Exceptions:
  Lighting intended for 24 hour use.
- ❑ 10. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).
  Exceptions:
  Electronic high-frequency ballasts; Luminaires on emergency circuits or with no available pair.

Permit #
Permit Oale

Generated by COMcheck-Web Software

Lighting Application Worksheet

2003 IECC

Report Date:

Section 1 : Allowed Lighting Power Calculation

A	B Floor Area	C Allowed Watts / ft2	D Allowed Watts
Office	6066	1	6066
		Total Allowed Watts =	6066

Section 2: Actual Lighting Power Calculation

A Fixture ID :Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
		Total Actual Watts =		0

Section 3: Compliance Calculation

If the Total Allowed Watts minus the Total Actual Watts is greater than *or* equal to zero, the building complies.

Total Allowed Walls =	6066
Total Actual Watts =	0
Project Compliance =	6066

Lighting FAILS Design 100% worse than code.

Permit #
Permit Date

Generated by COMcheck-Web Software

Mechanical Compliance Certificate

2003 IECC

Report Date: 02/12/06

Section 1: Project Information

Project Title: Phoenix Welding

Construction Site:	Owner/Agent:	Designer/Contractor:
557 Riverside Street Portland. Maine		John Einsiedler, R.A./Patco Construction Maine

Section 2: General Information

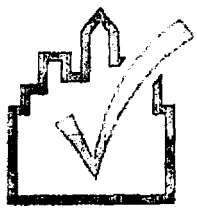
Building Location (for weather data):	Portland, Maine
Climate Zone:	15
Heating Degree Days (base 65 degrees F):	7378
Cooling Degree Days (base 65 degrees F]:	268
Project Type:	New Construction

Section 3: Mechanical Systems List

Quantity	System Type & Description

Section 4: Requirements Checklist

Invalid data. Select the HVAC System, Plant, and/or Water Healing buttons on the Mechanical screen.



Generated by COM*check-Web* Software

Mechanical Requirements Description

2003 IECC

Report Date:

Exceptions:

Building entrances with revolving doors.
Doors that open directly from a space less than 3000 sq. ft. in area.

☐ 8. Vapor retarder installed.

Section 4: Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope system has been designed to meet the 2003 IECC requirements in COMcheck-Web and to comply with the mandatory requirements in the Requirements Checklist.

John Einsiedel, R.A. _____ FEB 13, 2006

Principal Envelope Designer-Name Signature Date

PATCO CONSTRUCTION, INC.
1293 Main Street
SANFORD, MAINE 04073

(207) 324-5574

LETTER OF TRANSMITTAL

DATE	12/8/05	JOB NO.	
ATTENTION			
RE:	Phoenix Welding		

TO City of Portland
Building Dept.

Hand carried

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
2		A-1, A-2	Architectural Drwgs
1		S-1, S-2	Foundation Drwgs.
1		1-23	Varco-Pruden Structural Steel Drwgs.
1			Portland's three Certification forms
1			Varco-Pruden Letter of Certification
1			Statement of Special Inspections
1			Disc w/full set of drwgs. (PDF)
1			Building Permit Application

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 ☐ _____

☐ FOR BIDS DUE _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

Thanks,

COPY TO _____

SIGNED: Dennis Waters

If enclosures are not as noted, kindly notify us at once.

CITY OF PORTLAND
BUILDING **CODE** CERTIFICATE
389 Congress St., Room 315
Portland, Maine 04101

ACCESSIBILITY CERTIFICATE

Designer: JOHN W. EINSIEDLER, R.A.

Address of Project: _____

Nature of Project: PHOENIX WELDING

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.**

(SEAL)

LICENSED ARCHITECT
JOHN W. EINSIEDLER
No. 1862
STATE OF MAINE

Signature: _____

Title: ARCHITECT

Firm: JOHN W. EINSIEDLER, R.A.

Address: 148 SEA ROAD
KENNEBUNK, ME

Phone: 985-9760

NOTE: If this project is a new Multi Family Structure of 4 units or more, this project must also **be designed in compliance** with **the Federal Fair Housing Act. On a separate submission, please explain in narrative form the method of compliance.**

CITY OF PORTLAND
BUILDING CODE CERTFICATE
389 Congress St., Room 315
Portland, Maine 04101

TO: Inspector of Buildings City of Portland, Maine
Department of **Planning** & Urban Development
Division of Housing & Community Service

FROM: JOHN W. EINSIEDLER, R.A.

RE: Certificateof Design

DATE: NOV. 16, 2005

These plans and / or specifications covering construction work on:

PHOENIX WELDING

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

(SEAL) LICENSED ARCHITECT JOHN W. EINSIEDLER No. 1862 STATE OF MAINE

As per Maine State Law

$50,000.00 or more *in* new construction, repair expansion, addition, or modification for Building or Structures, shall be prepared by a **registered** design Professional.

Signature: [signature]

Title: ARCHITECT

Firm: JOHN W. EINSIEDLER, R.A.

Address: 140 SEA ROAD
KENNEBUNK ME

CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
Zoning Copy

2005-0166
Application I. D. Number

7/6/2005
Application Date

Office Warehouse Building
Project Name/Description

Six G's Coed Llc
Applicant

557 Riverside **St,** Portland, ME **04103**
Applicant's Mailing Address

Consultant/Agent

563 - 563 Riverside **St,** Portland, Maine
Address of Proposed Site

Applicant Ph: **(207) 797-5832** **Agent** Fax:
Applicant or Agent Daytime Telephone, Fax

306 B001001
Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply): ☐ New Building ☐ Building Addition ☐ Change Of Use ☐ Residential ☐ Office ☐ Retail ☐ Manufacturing ☐ Warehouse/Distribution ☐ Parking Lot ☐ Other (specify)

6,000 s.f. | | **IM**
Proposed Buildina sauare Feet or # of Units | Acreage of Site | Zoning

Check Review Required:

☑ Site Plan (major/minor) ☐ Subdivision # of lots ☐ PAD Review ☐ 14-403 Streets Review

☐ Flood Hazard ☐ Shoreland ☐ HistoricPreservation ☐ DEP Local Certification

☐ Zoning Conditional Use (ZBA/PB) ☐ Zoning Variance ☐ Other

Fees Paid: Site Pla $500.00 Subdivision Engineer Review Date **7/21/2005**

Zoning Approval Status:

Reviewer Marge S. - Dnop.

☐ **Approved** ☐ Approved **w/Conditions** See Attached ☐ **Denied**

Approval Date Approval Expiration Extension to ☐ Additional Sheets Attached

☐ Condition Compliance
signature date

Performance Guarantee ☐ Required* ☐ **Not** Required

* No building permit may be issued until a performance guarantee has been submitted as indicated below

DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME
JUL 22 2005
RECEIVED

☐ Performance Guarantee Accepted	date	amount	expiration date
☐ Inspection Fee Paid	date	amount	
☐ Building Permit Issue	date		
☐ Performance Guarantee Reduced	date	remaining balance	signature
☐ Temporary Certificate of Occupancy	date	☐ Conditions (See Attached)	expiration date
☐ Final Inspection	date	signature	
☐ Certificate Of Occupancy	date		
☐ Performance Guarantee Released	date	signature	
☐ Defect Guarantee Submitted	submitted date	amount	expiration date
☐ Defect Guarantee Released	date	signature	

WI0501266-01 Letter of Certification

Letter of Certification

Contact: Bill Rudman or Jason Gardner
Name: PATCO Construction Inc
Address 1293 ill St

City, State Sanford, Maine 04073
Country. United States

Project. Phoenix Willi
Bui) #:
1 557 Riverside Street

City, State Portland, Maine 04103
County, Country: Cumberland, United States

This is to certify that the above referenced VP BUILDINGS project has been designed for the applicable portions of the following Building Code and in accordance with the order documents which have stipulated the following applied environmental loads and conditions.

Overall Building Description

Shape	Overall Width	Overall Length	Floor Area (sq ft)	Wall Area (sq ft.)	Roof Area (sq ft)	Max Eave Height	Min Eave Height2	Max. Roof Pitch	Min Roof Pitch	Peak Height

Loads and Codes - Shape: Phoenix

City: Portland **County:** Cumberland **State:** Maine **Country:** United States
Building Code: 2003 International Building Code
Building Use: Standard Occupancy Structure
Built Up: 89AISC
Cold Form: 96AISI
Rainfall: 4.00 in per hour
Allow. Overstress:
Frm: 1.03, Sec: 1.03, Brc: 1.03

Dead and Collateral Loads
Collateral Gravity: 3.00 psf
Collateral Uplift: 0.00 psf
Roof Covering + Second. Dead Load: Varies
Frame Weight (assumed for seismic): 2.50 psf

Live Load
Live Load: **20.00** psf Reducible
LL for Below Eave Canopy: N/A

Wind Load
Wind Speed: 100.00 mph
Wind Exposure (Factor): B (0.701)
Parts Wind Exposure Factor: 0.701
Wind Enclosure: Enclosed
Wind Importance Factor: 1.000
Topographic Factor: 1.0000
Base Elevation: 0/0/0
Primary Zone Strip Width: 12/0/0
Parts / Portions Zone Strip Width: 6/0/0
Basic Wind Pressure: 15.24 psf

Snow Load
Ground Snow Load: 60.00 psf
Design Snow (Sloped): 37.80 psf
Snow Exposure Category (Factor): 1 Fully Exposed
Snow Importance: 1.000
Thermal Category (Factor): Heated (1.00)
Ground / Roof Conversion: 0.70
% Snow Used in Seismic: 20.00
Seismic Snow Load: 7.56 psf
Obstructed or Not Slippery Roof

Seismic Load
Mapped Spectral Response - Ss: 37.40 %g
Mapped Spectral Response - S1: 10.00 %g
Seismic Hazard / Use Group: Group 1 (0.90)
Seismic Importance: 1.000
Seismic Performance / Design Category: C
System NOT detailed for Seismic
Framing Seismic Period: 0.2312
Bracing Seismic Period: 0.1448
Framing R-Factor: 3.0000
Bracing R-Factor: 3.0000
Soil Profile Type: Stiff soil (D, 4)
Frame Redundancy Factor: 1.0000
Brace Redundancy Factor: 1.0000
Frame Seismic Factor (Cs): 0.1247
Brace Seismic Factor (Cs): 0.1247

Per Article 2 9 in the Builder Agreement, VP Buildings assumes that the Builder has called the local Building Official or Project Engineer to obtain all code and loading information for this specific building site

The steel design is in accordance with VP BUILDINGS standard design practices, which have been established based upon pertinent procedures and recommendations of the following organizations

American Institute of Steel Construction (AISC)
American Iron and Steel Institute (AISI)
American Welding Society (AWS) [D1 1]
American Society for Testing and Materials (ASTM)
Metal Building Manufacturers Association **(MBMA)**
AISC Category **MB** Manufacturer Certification

This certification DOES NOT apply to the design of the foundation or other on-site structures or components not supplied by VP BUILDINGS, nor does it apply to unauthorized modifications to framing systems provided by VP BUILDINGS

Furthermore, it is understood that certification is based upon the premise that all components furnished by VP BUILDINGS will be erected or constructed in strict compliance with pertinent documents furnished by VP BUILDINGS

Sincerely,

STEVEN J. ERICKSON P.E. Prepared by: SJO Reviewed by: SJO

VP BUILDINGS
3200 Players Club Circle, Memphis TN 38125-8843

STATE OF MAINE — No. 9345 — REGISTERED PROFESSIONAL ENGINEER — 11/10/05

SRG ENGINEERING, INC.

CONSULTING STRUCTURAL ENGINEERS

FACSIMILE TRANSMITTAL SHEET

TO Mr. Mike Nugent	FROM: Steven Grant, P.E.
COMPANY City Portland, Code Enforcement	DATE 2/21/2006
PHONE NUMBER 874-8700	TOTAL NO OF PAGES INCLUDING COVER 4
FAX NUMBER. 756-8090	SENDER'S REFERENCE NUMBER 05-132
RE Phoenix Welding	YOUR REFERENCE NUMBER

☑ URGENT ☑ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☑ FOR YOUR USE

NOTES/COMMENTS:

Hi Mike,

As requested, here is a copy of the document that was faxed to the City's general fax number in December.

Please call should you have any questions.

Best wishes for 2006.

Sincerely,

Steven Grant, President

C: email to Dennis Waters at FATCO

PO BOX 925 52 BLUEBERRY LANE GRAY ME 04039 TEL (207)-657-7323 FAX (207)-657.7342

SRG ENGINEERING, INC.
CONSULTING STRUCTURAL ENGINEERS

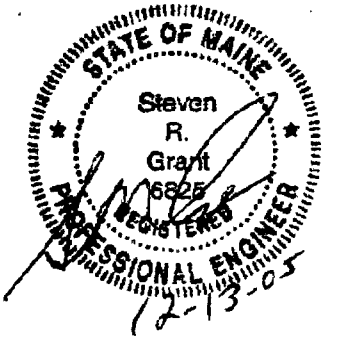
SRG Job#05-132

To:	City of Portland Code Enforcement Department Attn: Mr. Mike Nugent
From:	Steven R. Grant, President
Date:	December 13, 2005
Subject:	Phoenix Welding Office Building: Quality Assurance Plan
Project Location:	Riverside Street, Portland

Seismic resisting lateral support will be provided by Portal Frames at Grids A and E, with Rigid Frames at Grids 2, 3, 4, 5, 6, 7 and "lean-to" frames at ends.

SRG Engineering has subcontracted with S.W. Cole Engineering (contact Craig Turcotte at 657-2866) to provide metal roof deck and structural steel connection review that include any diaphragm bracing at roof and walls, frame bolts, and anchor bolts. Bolts at moment connections will be checked for proper tension/torque and shear connections will be checked for all plies to be in firm contact per AISC. In addition, S.W. Cole Engineering is to provide field review of foundation reinforcing (footings/walls/piers) and anchor bolt placement. Site visits by S.W. Cole and SRG Engineering are planned to be on a limited basis throughout the construction of the foundation and building structure. In addition, SRG Engineering budgeted for a maximum of four (4) site visits to observe construction for conformance with contract documents as well.

We have asked that PATCO Construction notify SRG Engineering and S.W. Cole Engineering a minimum of 48 hours prior to all required site visits. SRG Engineering has also provided a copy of the attached check list to PATCO for their use/reference.



#05-132
WITCOMB WELDING OFFICE

Quality Assurance Plan

Quality Assurance for Seismic Resistance (PER VARCO-PRUDEN CALCULATIONS)

Seismic Design Category C

Quality Assurance Plan Required (Y/N) X (Yes)

Description of seismic force resisting system and designated seismic systems:

PORTAL BRACE FRAMES AT GRIDS A AND E.
WITH RIGID FRAMES AT GRIDS 2, 3, 4, 5, 6 AND
ALL "LEAN-TO" LOCATIONS

Quality Assurance for Wind Requirements

Basic Wind Speed (3 second gust) 100

Wind Exposure Category B

Quality Assurance Plan Required (Y/N)

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

SRG ENGINEERING, INC.
P.O. Box 925
GRAY, ME 04039
Revised 12/13/05

STATE OF MAINE
Steven
R.
Grant
6825
REGISTERED
PROFESSIONAL ENGINEER
12-13-05

Statement of Responsibility

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

VARCO-PRUDEN MUST SUBMIT THIS, SEE PATCH CONST.

SRG ENGINEERING, INC.
CONSULTING STRUCTURAL ENGINEERS

Structural Tests and "Special ti Requirements For a ypical Pre-Engineer Metal Building Structure

per Chapter 17 of *the* 2003 International Building Code)

Site and Fill Materials:

- Field observe sub-grade conditions prior to placement of any fill or concrete for foundations and slab
- Field sample and perform laboratory test(s) an each soil fill material to be used
- Observe placement and perform compaction tests on foundation and sub-slab fill materials
- Review compliance to soils report material
- Review lift thickness of foundation and sub-slab backfill

Reinforcing:

- G.C. io submit reinforcing ahop drawings for review prior to placement
- G.C. to submit reinforcing and anchor bolt material certification sheet(s) for review
- Field observe reinforcing *at* foundation walls for compliance with size, grade, spacing, location, and embedment.
- Fie16 observe reinforcing and/or WWF *at* structural slabs and slabs-on-grade for compliance with size, grade, spacing, location, and embedment.

Formwork:

- Review formwork
- Review form removal and re-shoring

Concrete:

- G.C. to submit all mix designs to engineer for review a minimum of 10 business days before placement
- G.C. to submit all admixtures to engineer far review a minimum of 10 business days before placement
- G.C. to submit material certification of all dab dowels to engineer for review a minimum of 10 business days Wort placement
- Review and observe field placement of all concrete: footings, walls, slabs, etc...
- Review and observe curing techniques for footings, wells, and slabs
- Field test concrete for slump, air, and temperature
- Field cast four (4) cylinders fur each placement to be tested fa strength
- Field observe dowel size and spacing for control and construction joints *at* wells and slab(s)

Steel Fabrication: (Only for structural steel not fabricated by metal building manufacturer)

- Review and observe steel fabrication shop procedures

Steel Construction:

- G.C. to provide! material certificates for bolts, nuts, washers, and weld filler (if Reid welding *is* to *be* performed) material
- Review field connections

Steel Erection:

- G.C. to provide welders certificate for each person performing any field welding
- Review primary steel connections
- Verify pre-tensioning of slip-critical bolts (hanger and moment connections) by certified testing laboratory for proper bolt tension/torque.
- Review moment connections
- Review shear connections
- Review bracing connections
- Review wall girt connections
- Review roof purlin connections
- Review steel roof deck Installation
- Review wall *siding* installation

G.C. NOTE: YOU MUST NOTIFY THE MATERIALS TESTING FIRM AND THE PROJECT SPECIAL INSPECTOR A MINIMUM OF 48 BUSINESS HOURS PRIOR TO SERVICE BEING PERFORMED TO ALLOW FOR PROPER SCHEDULING OF PERSONNEL

P.O. BOX 925 • GRAY. MAINE 04039 • PHONE: (207) 657-7323 • FAX: (207) 657, 7342 • SRG@SRGENG COM • WWW SRGENG COM

Statement of Special Inspections

SRG JOB # 05-132

Project: PHOENIX WELDING OFFICE BUILDING

Location: RIVERSIDE ST., PORTLAND, ME

Owner: DON JOHNSON

Design Professional **in Responsible** Charge: SRG ENGINEERING INC / STEVEN R GRANT, PE

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: or ☒ per attached schedule.

Prepared by

STEVEN R. GRANT, P.E.

(type *or* **print name)**

11-9-05

Signature Date

STATE OF MAINE
Steven
R.
Grant
6825
REGISTERED
PROFESSIONAL ENGINEER

Design Professional Seal

Owner's Authorization:

Signature Date

Building Official's Acceptance:

Signature Date

Schedule of Inspection and Testing Agencies

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

- [x] Soils and Foundations
- [x] Cast-in-Place Concrete
- [ ] Precast Concrete
- [ ] Masonry
- [x] Structural Steel
- [ ] Cold-Formed Steel Framing
- [ ] Spray Fire Resistant Material
- [ ] Wood Construction
- [ ] Exterior Insulation and Finish System
- [ ] Mechanical & Electrical Systems
- [ ] Architectural Systems
- [ ] Special Cases

Special Inspection Agencies	Firm	Address, Telephone, e-mail
1. Special Inspection Coordinator STEVEN R. GRAY	SRG ENGINEERING, INC. P.O. Box 925 GRAY, ME 04039	207-657-7323 srge@srgeng.com
2. Inspector	SRG ENGINEERING, INC. P.O. Box 925 GRAY, ME 04039	SAME AS ABOVE
3. Inspector		
4. Testing Agency ROGER DOMINGO	J.W. COLE ENG, INC	286 PORTLAND RD 04039 GRAY, ME rdomingo@
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.

RDP IS BEING RETAINED BY PATCO CONSTRUCTION

Quality Assurance Plan

Quality Assurance for Seismic Resistance (PER VARCO-PRUDEN CALCULATIONS)

Seismic Design Category C

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

Description of seismic force resisting system and designated seismic systems:

Quality Assurance for Wind Requirements

Basic Wind Speed (3 second gust) 100 mph

Wind Exposure Category B

Quality Assurance Plan Required (Y/N) N

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.

VARCO-PRUDEN MUST SUBMIT THIS, SEE PLATE CONST.

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.

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

Other

Soils and Foundations

Item	Agency # (Qualif.)	Scope
1. Shallow Foundations	*PWGE* (4)	*Inspect soils below footings for adequate bearing capacity and consistency with geotechnical report.* *Inspect removal of unsuitable material and preparation of subgrade prior to placement of controlled fill*
2. Controlled Structural Fill	*PE/GE* (4)	*Perform sieve tests (ASTM 0422 & 01140) and modified Proctor tests (ASTM 01557) of each source of fill material-* *Inspect placement, lift thickness and compaction of controlled fill.* *Test density of each lift of fill by nuclear methods (ASTM D2922)* *Verify extent and slope of fill placement.*
3. **Deep** Foundations N.A.	*PE/GE*	*Inspect and log pile driving operations. Record pile driving resistance and verify compliance with driving criteria.* *Inspect piles for damage from driving and plumbness.* *Verify pile size, length and accessories.* *Inspect installation of drilled pier foundations. Verify pier diameter, bell diameter, lengths, embedment into bedrock and suitability of end bearing strata.*
4. Load Testing N.A		
5. **Other:**		

Cast-in-Place Concrete

Item	Agency # (Qualif.)	Scope
1. Mix Design	(2)(4) 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 Certifi ti		
3. Reinforcement Installation	(4) ACI-CCI ICC-RCSZ	*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.A.	ICC-PCSI	*Inspect placement, stressing, grouting and protection of post tensioning tendons. Verify that tendons are correctly positioned, supported, tied and wrapped. Record tendon elongations.*
5. Welding of Reinforcing N.A	AWS-CWI	*Visually inspect all reinforcing steel welds. Verify weldability of reinforcing steel. Inspect preheating of steel when required.*
5. Anchor Rods	(4)	*Inspect size, positioning and embedment of anchor rods. Inspect concrete placement and consolidation around anchors.*
7. Concrete Placement	(4) 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	(4) ACI-CFTT ACI-SIT	*Test concrete compressive strength (ASTM C31 & C39), slump (ASTM C143), air-content (ASTM C231 or C173) and temperature (ASTM C1064).*
9. Curing and Protection	(4) ACI-CCI ICC-RCSZ	*Inspect curing, cold weather protection and hot weather protection procedures.*
10. Other:		

Structural Steel

Item	Agency # (Qualif.)	Scope
1. Fabricator certification! Quality Control Procedures ☒ Fabricator Exempt (MARCO-PRUDEN)	AWS/AISC-SSZ ICC-SWSI	*Review shop fabrication and quality control procedures.* (NA)
	(2) (4)	*Review certified mill test reports and identification markings on wide-flange shapes, high-strength bolts, nuts and welding electrodes*
3. Open Web Steel Joists (NA)		*Inspect installation, field welding and bridging of joists.*
4. Bolting	(4) AWS/AISC-SSZ ICC-SWSI	*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.*
5. Welding (N.A)	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 of all full-penetration welds.*
6. Shear Connectors (NA)	AWS/AISC-SSI ICC-SWSI	*Inspect size, number, positioning and welding of 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 15 degrees.*
7. Structural Details	(2) (4) PE/SE	*Inspect steel frame for compliance with structural drawings, including bracing, member configuration and connection details.*
3. Metal Deck & Roof	(4) AWS-CWI	*Inspect welding and side-lap fastening of metal roof and floor deck*
). Other:		

Boni
651-2609

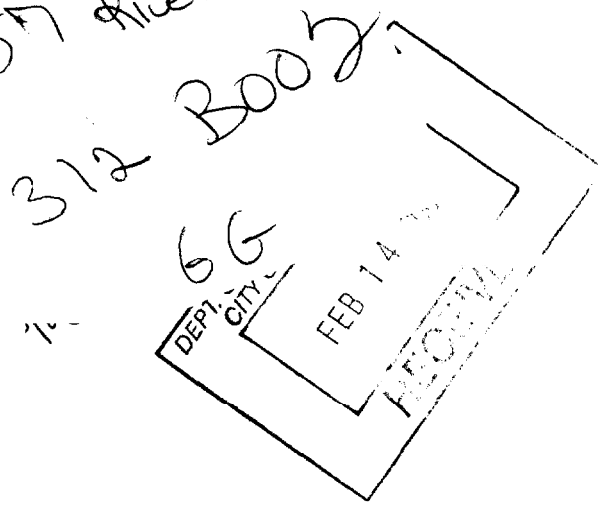
Permit #
Permit Date

Generated by COMcheck-Web Software
Envelope Compliance Certificate

2003 IECC

Report Date. 02/12/06

015783
557 Riverside
312 B007



Section 1: Project Information

Project Title: Phoenix Welding

Construction Site:
557 Riverside Street
Portland, Maine

Owner/A

Section 2: General Information

Building Location (for weather data).	**Portland, Maine**
Climate Zone	15
Heating Degree Days (base 65 degrees F)	**7378**
Cooling Degree Days (base 65 degrees F).	**268**
Project Type	New **Construction**
Glazing Area Percentage	9%

Buildina Type	Floor Ar
Office	6066

Section 3: Requirements Checklist

Envelope PASSES: Design 8°₀ better than code.

Climate-Specific Requirements:

Component Name/Description	Gross Area or Perimeter	Cavity R-value	Cont. R-value	Proposed U-Factor	Budget U-Factor
Roof 1: Metal, without Thermal Blocks	6400	19.0	0.0	0.101	0.053
Ext. Wall 1: Wood Frame, Any Spacing	4570	**19.0**	*0.0*	0.068	0.075
Window 1: Other, Clear, SHGC 0.68	414	---	---	0.065	0.526
Door 1: Solid	186	---	---	0.090	0.122
Floor1: Unheated Slab-On-Grade	320	---	0.0	---	---

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.

Air Leakage, Component Certification, and Vapor Retarder Requirements:

- ☐ 1. All joints and penetrations are caulked, gasketed, weather-stripped, or otherwise sealed.
- ☐ 2. Windows, doors, and skylights certified as meeting leakage requirements.
- ☐ 3. Component R-values & U-factors labeled as certified.
- ☐ 4. Stair, elevator shaft vents, and other dampers integral to the building envelope are equipped with motorized dampers.
- ☐ 5. Cargo doors and loading dock doors are weather sealed.
- ☐ 6. Recessed lighting fixtures are: (i) Type IC rated and sealed or gasketed; or (ii) installed inside an appropriate air-tight assembly with a 0.5 inch clearance from combustible materials and with 3 inches clearance from insulation material.
- ☐ 7. Building entrance doors have a vestibule and equipped with closing devices.

Exceptions

Building entrances with revolving doors
Doors that open directly from a space less than 3000 sq. ft. in area

❑ 8. Vapor retarder installed

Section 4: Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope system has been designed to meet the 2003 IECC requirements in COM*check*-*Web* and to comply with the mandatory requirements in the Requirements Checklist.

JOHN EINSIEDLER, R.A. _____ FEB 13, 2006

Principal Envelope Designer-Name Signature Date

Permit #
Permit Date

Generated by COM*check*-*Web* Software

Lighting Compliance Certificate

2003 IECC

Report Date: 02/12/06

Section 1: Project Information

Project Title: Phoenix Welding

Construction Site:
557 Riverside Street
Portland, Maine

Owner/Agent:

Designer/Contractor:
John Einsiedler, R.A./Patco Construction
Maine

Section 2: General Information

Building Use Description by:
Project Type: **New Construction**

Building Type	Floor Area
Office	6066

Section 3: Requirements Checklist

Interior Lighting:

☐ 1. Total actual watts must be less than or equal to total allowed watts.

Allowed Watts	Actual Watts	Complies
6066	0	YES

☐ 2. Exit signs 5 Watts or less per side.

Exterior Lighting:

☐ **3.** Efficacy greater than 45 lumens/W.
Exceptions:
Specialized lighting highlighting features of historic buildings; signage; safety or security lighting; low-voltage landscape lighting.

Controls, Switching, and Wiring:

☐ **4.** Independent controls for each space (switch/occupancy sensor).
Exceptions:
Areas that must be continuously illuminated.

☐ 5. Master switch at entry to hotel/motel guest room.
☐ 6. Individual dwelling units separately metered.
☐ 7. Each space provided with a manual control to provide uniform light reduction by at least 50%.
Exceptions:
Only one luminaire in space;
An occupant-sensing device controls the area;
The area is a corridor, storeroom, restroom, public lobby or guest room;
Areas that must be continuously illuminated;
Areas that use less than 0.6 Watts/sq.ft.

❑ 8. Automatic lighting shutoff control in buildings larger than 5,000 sq.ft.

❑ 9. Photocell/astronomical time switch on exterior lights.
Exceptions:
Lighting intended for 24 hour use.

❑ 10. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).
Exceptions:
Electronic high-frequency ballasts; Luminaires on emergency circuits or with no available pair.

Permit #
Permit Date

Generated by COM*check-Web* Software

Lighting Application Worksheet

2003 IECC

Report Date:

Section 1: Allowed Lighting Power Calculation

A	B Floor Area	C Allowed watts / ft2	D Allowed Watts
Office	6066	1	6066
		Total Allowed Watts =	6066

Section 2: Actual Lighting Power Calculation

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
		Total Actual Watts =		0

Section 3: Compliance Calculation

If the Total Allowed Watts minus the Total Actual Watts *is* greater than or equal to zero, the building complies.

Total Allowed Watts =	6066
Total Actual Watts =	0
Project Compliance =	6066

Lighting FAILS: Design 100% worse than code.

Permit #
Permit Date

Generated by COM*check-Web* Software

Mechanical Compliance Certificate

2003 IECC

Report Date: 02/12/06

Section 1: Project Information

Project Title: Phoenix Welding

Construction Site:
557 Riverside Street
Portland, Maine

Owner/Agent:

Designer/Contractor:
John Einsiedler, R.A./Patco Construction
Maine

Section 2: General Information

Building Location (for weather data):	**Portland, Maine**
Climate Zone:	15
Heating Degree Days (base 65 degrees F):	**7378**
Cooling Degree Days (base *65* degrees F):	**268**
Project Type:	New **Construction**

Section 3: Mechanical Systems List

Quantity **System Type & Description**

Section 4: Requirements Checklist

Invalid data. Select the HVAC System, Plant, and/or Water Heating buttons on the Mechanical screen.

Generated by COM*check-Web* Software

Mechanical Requirements Description

2003 IECC

Report Date:

CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
Zoning Copy

2004-0151
Application I. D. Number

7/21/2004
Application Date

Six Gs Coed, LLC
Applicant

557 Riverside Street, Portland, ME 04103
Applicant's Mailing Address

Amendment to Plan - Six G's Coed LL
Project Name/Description

Consultant/Agent

563 - 573 Riverside Street, Portland, Maine
Address of Proposed Site

Applicant Ph: (207) 797-5830 **Agent Fax:**
Applicant or Agent Daytime Telephone, Fax

312 B003
Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply): ☐ New Building ☐ Building Addition ☐ Change Of Use ☐ Residential ☐ Office ☐ Retail
☐ Manufacturing ☐ Warehouse/Distribution ☐ Parking Lot ☐ Other (specify) **Amendment to Plan**

Proposed Building square Feet or # of Units | Acreage of Site | Zoning

Check Review Required:

☐ Site Plan (major/minor) ☐ Subdivision # of lots ____ ☐ PAD Review ☐ **14-403** Streets Review
☐ Flood Hazard ☐ Shoreland ☐ Historic Preservation ☐ DEP Local Certification
☐ Zoning Conditional Use (ZBA/PB) ☐ Zoning Variance ☐ Other ____

Fees Paid: Site Pla ____ Subdivision ____ Engineer Review ____ Date ____

Zoning Approval Status:

Reviewer Mary S. - Inspections

☐ **Approved** ☐ **Approved w/Conditions** See Attached ☐ **Denied**

Approval Date ____ Approval Expiration ____ Extension to ____ ☐ Additional Sheets Attached

☐ Condition Compliance ____ signature ____ date

Performance Guarantee ☐ **Required*** ☐ **Not Required**

* No building permit may be issued until a performance guarantee has been submitted as indicated below

☐ Performance Guarantee Accepted	date	amount	expiration date
☐ Inspection Fee Paid	date	amount	
☐ Building Permit Issue	date		
☐ Performance Guarantee Reduced	date	remaining balance	signature
☐ Temporary Certificate of Occupancy	date	☐ Conditions (See Attached)	expiration date
☐ Final Inspection	date	signature	
☐ Certificate of Occupancy	date		
☐ Performance Guarantee Released	date	signature	
☐ Defect Guarantee Submitted	submitted date	amount	2 2 ... expiration **date**
☐ Defect Guarantee Released	date	signature	

Sebago Technics
Engineering Expertise You Can Build On

sebagotechnics.com
One Chabot Street
P.O. Box 1339
Westbrook, Maine
04098-1339
Ph. 207-856-0277
Fax 856-2206

July 21,2004
00235

Kandice Talbot, Planner
City of Portland
389 Congress Street
Portland, ME 04101

Amended Site Plan, 567 Warren Avenue, Six G's Coed, LCC
ID# 2003-0210, CBL #312-B-003

Dear Kandi:

Please consider this letter and the enclosed **$250.00** check as an application to amend the previously approved amended plans for a 14,000 square foot building at 567 Warren Avenue. Based upon a review of the site with the owner, contractor and City inspector, Sebago Technics performed an as-built survey of the site which forms the basis of the enclosed plans. Additional underground utility information was based upon the previously approved plan set. Based upon the as-built survey of the constructed site, we request the following revisions to the approved plan:

1. As you will recall, our previous request for an amendment had proposed 25 parking spaces. When informed by the City that this would require stormwater treatment, the plan was further revised to provide 24 spaces. Unfortunately, the site was paved during the revision interval of the two plans. To maintain parking for the developed site at less than 25 spaces, we propose to paint an island as shown for no parking.

2. The original drainage design consisted of a swale to intercept the runoff and direct it to the rear of the site. During construction, catch basins and storm drains were installed as shown on the plan to provide a more positive interception of the runoff. This storm drain was connected to the existing catch basin at the project entrance drive which is connected to the municipal system in Riverside Street.

3. SMH-3 was inadvertently shown on the last plan. It was the intent of the owner to eliminate this manhole and connect directly to SMH-2 as shown on the plan.

4. The chain link fence that was originally shown along the southerly property line is requested to be eliminated.

5. The existing transformer pad servicing the abutting Phoenix Welding building was utilized in coordination with Central Maine Power Company to eliminate the transformer pad shown on **the approved plan.**

6. The gas service from Riverside Street originally proposed is now shown as two underground propane tanks to be installed near the northeast corner of the building.

7. Bollards are shown installed at the drive-in doors for the first four **(4)** units, which are proposed to be installed on the remaining three **(3)** units.

We are hopeful that we have provided sufficient information to allow the amendment to be reviewed and approved. Upon your review of this letter and the enclosed plans, however, please call with any questions or comments. **Thank you.**

Sincerely,

SEBAGO TECHNICS, INC.

Shawn M. Frank, P.E.
Project Manager

SMF:dlf

cc: Dennis Waters, Patco Construction, Inc.

Sux G's CoED LLC Date: 2/10/06

Applicant:

Address: ~~557~~ 563 Riverside St Riverside C-B-L: 312-B-001 ~~312-B-001~~

CHECK-LIST AGAINST ZONING ORDINANCE #05-1783

Date - Existing Bldg on The lot

Zone Location - I-M

Interior or corner lot - to construct 60'x100' Bldg for Warehouse And Assessors office

Proposed Use/Work -

Sewage Disposal - City

Lot Street Frontage - 60' min

Front Yard - 1' for every 1' of bulding height - 18' req - 64.25' scaled

Rear Yard - 1' for every 1' of bulding height up to 25' - 100' +

Side Yard - 1' for every 1' of bulding height up to 25' - 50' & 35' scaled

Projections -

Width of Lot - N/A

Height - 75' max - 18' scaled

Lot Area - no min - 19,156 ± per Assessors

Lot Coverage/Impervious Surface - 75% max of 59367 ± max

Area per Family - N/A 25% open min = 19,789 - 348 × ~~4860~~ 331 = 115,188 ± ok

Off-street Parking - 6000 ± ÷ 1,000 = 6 pkg spaces - 76' shown

Loading Bays - 2 loading bays shown

Site Plan - #2005-0166

Shoreland Zoning/Stream Protection - N/A

Flood Plains - panel 6 - Zone X

Pavement Setback line - 10' - All New pavement is 10' from property line