

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUILDING INSPECTION

PERMIT

PERMIT ISSUED
 DEC 12 2005
 Permit Number: 051786
 CITY OF PORTLAND

Please Read
 Application And
 Notes, If Any,
 Attached

This is to certify that 1039 RIVERSIDE LLC / Pat Construction
 has permission to Foundation Only 10,000 SQ FT (100 x 100')
 AT 1039 RIVERSIDE ST 331 A001001

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

[Signature]
 Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

Permit No:	Issue Date:	CBL:
	DEC 12 2005	331 A001001

PERMIT ISSUED

Location of Construction: 1039 RIVERSIDE ST	Owner Name: 1039 RIVERSIDE LLC	Owner Address: 340 FORE ST	Phone:
Business Name:	Contractor Name: Patco Construction	Contractor Address: 1293 Main St Sanford	Phone: 207 324 5574
		\$6,558.00	5

Vacant	Commercial foundation only <i>10,000 SQ FT STRUCTURE SEE OS-1094</i>	FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: \$6,558.00 Group: FOUNDATION Type: INSPECTION: FOUNDATION Type: Use Group: FOUNDATION
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Proposed Project Description: Foundation Only	Signature:	Signature: <i>12/9/05</i>
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied		
Signature:	Date:	

Permit Taken By: dmartin	Date Applied For: 12/09/2005	Zoning Approval
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<p>1.</p> <p>2. - Building permits do not include plumbing, septic or electrical work.</p> <p>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..</p>	<p>Special Zone or Reviews</p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetland</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p>Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/></p> <p>Date:</p>	<p>Zoning Appeal</p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date:</p>	<p>Historic Preservation</p> <p><input type="checkbox"/> Not in District or Landmark</p> <p><input type="checkbox"/> Does Not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date:</p>
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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

This is a foundation only permit

12/21/05 - Footing / Setbacks -

Footing / Sides ok - Frost preventive ok

Letter from Owen Marshall (attached) ok
~~Setbacks~~

1/4/06 Backfill insp - 2" rigid insulation installed
on the inside of frost wall - left VM w/ Dennis

@ Patco That we need a plan detail of this as
per the conditions of approval JMB ok to backfill

City of Portland, Maine - Building or Use Permit

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

Permit No: 05-1786	Date Applied For: 12/09/2005	CBL: 331 AOOIOOI
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Location of Construction: 1039 RIVERSIDE ST	Owner Name: 1039 RIVERSIDE LLC	Owner Address: 340 FORE ST	Phone:
Business Name:	Contractor Name: Patco Construction	Contractor Address: 1293 Main St Sanford	Phone (207) 324-5574
Lessee/Buyer's Name	Phone:	Permit Type: Foundation Only/Commercial	

Commercial foundation only 0,000 Sq. Ft. Steel Building #051964	Foundation Only
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Dept: Building **Status:** Approved with Conditions **Reviewer:** Mike Nugent **Approval Date:** 12/09/2005

Note: **Ok to Issue:**

- 1) PATCO must provide a statement of Contractor Responsibility in accordance with section 1705.3 in the 2003 IBC Code.

City of Portland, Maine - Building or Use Permit

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

Permit No: 05-1786	Date Applied For: 12/09/2005	CBL: 331 A001001
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Location of Construction: 1039 RIVERSIDE ST	Owner Name: 1039 RIVERSIDE LLC	Owner Address: 340 FORE ST	Phone:
Business Name:	Contractor Name: Patco Construction	Contractor Address: 1293 Main St Sanford	Phone (207) 324-5574
Lessee/Buyer's Name	Phone:	Permit Type: Foundation Only/Commercial	

Proposed Use: Commercial foundation only 10,000 Sq. Ft. Steel Building #051964	Proposed Project Description: Foundation Only
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Dept: Building **Status:** Approved with Conditions **Reviewer:** Mike Nugent **Approval Date:** 12/09/2005**Note:** **Ok to Issue:**

- 1) 1. PATCO must provide a statement of Contractor Responsibility in accordance with section 1705.3 in the 2003 IBC Code.
2. It is required that R10 rigid insulation value a minimum of 3'-6" for below grade foundations. This plan must be provided prior to foundation construction and the installation must occur.
- Quality Assurance Plan for the seismic resisting structural system, is requires SWG engineering has agreed to provide this.

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

- 1) Install 8 inch water main for proposed hydrants as discussed this date with DeLuca-Hoffman.

Comments:

12/9/2005-dmartin: This permit was paid for under the bldg permit # 05-1694

Mike Nugent - SRG#05-124 Bioprocessing, Portland

From: "Steven Grant" <srg@maine.rr.com>
To: "Dennis Waters" <dwaters@patco.com>
Date: 12/9/2005 12:25 PM
Subject: SRG#05-124 Bioprocessing, Portland
CC: <mjn@portlandmaine.gov>, "John Einsiedler, R.A." <je@johnarchitect.com>, "Bill Rudman" <brudman@patco.com>

Hi Dennis,
A few things regarding this project as requested by Mike Nugent.

1. PATCO must provide a statement of Contractor Responsibility in accordance with section 1705.3 in the 2003 IBC Code. If you need me to fax you a copy, please let me know.
2. Portland now requires compliance with the new energy code which mandates an R10 rigid insulation value a minimum of 3'-6" for below grade foundations. This is not within my scope of service items, nor insurance liability. Therefore, a stamped architectural sketch will need to be provided to you from John Einsiedler and then given to Mike.

I will also need to provide you with a written Quality Assurance Plan for the seismic resisting structural system, which you will then need to forward to Mike. I will have this ready first of next week. I am waiting for some information from SW Cole.

These items are also going to be required for any other Portland project starting construction.

Best wishes, and have a great weekend.

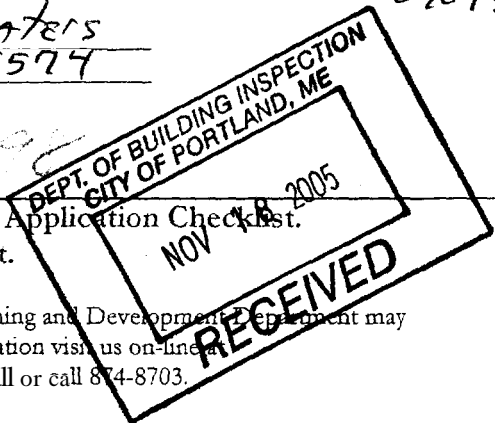
Steven R. Grant, P.E.
SRG Engineering, Inc.
PO Box 925
Gray, ME 04039
Tel: (207)-657-7323
Fax:(207)-657-7342



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>1039 Riverside Street Unit #4</u>		
Total Square Footage of Proposed Structure <u>10,000 sq. ft.</u>		Square Footage of Lot <u>12,100 sq. ft.</u>
Tax Assessor's Chart. Block & Lot Chart# <u>331</u> Block# <u>A</u> Lot# <u>1</u> <u>335</u>	Owner: <u>BPI Realty, LLC</u>	Telephone: <u>(207) 883-0110</u>
Lessee/Buyer's Name (If Applicable) <u>BioProcessing Inc.</u>	Applicant name, address & telephone: <u>Dennis Waters</u> <u>Patco Construction, Inc.</u> <u>1293 Main St.</u> <u>Sanford, ME. 04073</u>	Cost Of Work \$ <u>718,000.00</u> Fee: \$ <u>6,483</u> C of O Fee: \$ <u>75</u>
Current Specific use: <u>Undeveloped</u> Proposed Specific use: <u>Biotechnology Manufacturing</u>		
Project description: <u>New 10,000 sq. ft. pre-engineered metal building with frost wall and slab on grade construction. Complete interior finish, for offices, conf. room, lab, production space & shipping.</u>		
Contractor's name, address & telephone: <u>Patco Construction, 1293 Main St. Sanford 04073</u>		
Who should we contact when the permit is ready: <u>Dennis Waters</u> Mailing address: _____ Phone: <u>324-5577</u> <u>651-0192</u>		



Please submit all of the information outlined in the Commercial Application 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 visit us on-line at www.portlandmaine.gov, stop by the Building Inspections 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 of applicant: Dennis Waters Date: 11/17/05

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

Statement of Special Inspections

SRG JOB # 05-124

Project: BIOPROCESSING
Location: 1039 RIVERSIDE ST., PORTLAND, ME
Owner: GARY GOODRICH

Design Professional in Responsible Charge: SRG ENGINEERING, INC. / STEVEN R. GRANT, P.E.

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

- Structural Mechanical/Electrical/Plumbing
 Architectural Other: _____

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

Interim reports shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge.

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

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

Interim Report Frequency:

or per attached schedule.

Prepared by:

STEVEN R. GRANT, P.E.

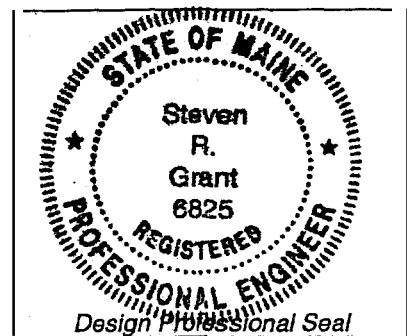
(type or print name)

[Signature]

Signature

11-9-05

Date



Owner's Authorization:

Building Official's Acceptance:

Signature

Date

Signature

Date

So
 Ca

Special Inspection Agencies	Firm	Address, Telephone, e-mail
1. Special Inspection Coordnator <i>STEVEN R GRAY</i>	SRG ENGINEERING, INC. P.O. Box 925 GRAY, ME 04039	207-657-7323 <i>srge@srgeing.</i>
2. Inspector	SRG ENGINEERING, INC. P.O. Box 925 GRAY, ME 04039	<i>SAME AS ABOVE</i>
3. Inspector		
4. Testing Agency <i>J.W. COLE ENGINEER</i>	<i>J.W. COLE ENGINEER</i>	286 PORTLAND ROAD GRAY, ME 04039 657-2866
5. Testing Agency		<i>rdomingoe@jwcole.com</i>
6. Other		

RDP IS BEING REMOVED 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 PATCO CONSTRUCTION

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.

PUSE	Structural Engineer – a licensed SE or PE specializing in the design of building structures
PUGE	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

Item	Agency (Qualif	Scope
1. Shallow Foundations	<p style="text-align: center;">④ PE/GE</p>	<p><i>Inspect soils below footings for adequate bearing capacity and consistency with geotechnical report.</i></p> <p><i>Inspect removal of unsuitable material and preparation of subgrade prior to placement of controlled fill</i></p>
2. Controlled Structural Fill	<p style="text-align: center;">④ PE/GE</p>	<p><i>Perform sieve tests (ASTM 0422 & D1140) and modified Proctor tests (ASTM D1557) of each source of fill material.</i></p> <p><i>Inspect placement, thickness and compaction of controlled fill.</i></p> <p><i>Test density of each lift of fill by nuclear methods (ASTM 02922)</i></p> <p><i>Verify extent and slope of fill placement.</i></p>
<p>3. Deep Foundations</p> <p style="text-align: center; font-size: 2em; border: 1px solid black; border-radius: 50%; padding: 10px;">N.A.</p>	<p style="text-align: center;">PE/GE</p>	<p><i>Inspect and log pile driving operations. Record pile driving resistance and verify compliance with driving criteria.</i></p> <p><i>Inspect piles for damage from driving and plumbness.</i></p> <p><i>Verify pile size, length and accessories.</i></p> <p><i>Inspect installation of drilled pier foundations. Verify pier diameter, bell diameter, lengths, embedment into bedrock and suitability of end bearing strata.</i></p>
<p>4. Load Testing</p> <p style="text-align: center; font-size: 2em; border: 1px solid black; border-radius: 50%; padding: 10px;">N.A.</p>		
4. Other:		

Cast-in-Place Concrete

Item	Agency # (QualF.)	scope
1. Mix Design	<p>② ④</p> <p>ACI-CCI ICC-RCSI</p>	<p>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.</p>
2. Material Certification		
3. Reinforcement Installation	<p>④</p> <p>ACI-CCI ICC-RCSI</p>	<p>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</p>
4. Post-Tensioning Operations	<p>NA</p> <p>ICC-PCSI</p>	<p>Inspect placement, stressing, grouting and protection of post-tensioning tendons. Verify that tendons are correctly positioned, supported, tied and wrapped. Record tendon elongations.</p>
5. Welding of Reinforcing	<p>NA</p> <p>AWS-CWI</p>	<p>Visually inspect all reinforcing steel welds. Verify weldability of reinforcing steel. Inspect preheating of steel when required.</p>
6. Anchor Rods	<p>④</p>	<p>Inspect size, positioning and embedment of anchor rods. Inspect concrete placement and consolidation around anchors.</p>
7. Concrete Placement	<p>④</p> <p>ACI-CCI ICC-RCSI</p>	<p>Inspect placement of concrete. Verify that concrete conveyance and depositing avoids segregation or contamination- Verify that concrete is properly consolidated.</p>
8. Sampling and Testing of Concrete	<p>④</p> <p>ACI-CFTT ACI-STT</p>	<p>Test concrete compressive strength (ASTM C31 & C39), slump (ASTM C143), air-content (ASTM C231 or C173) and temperature (ASTM C1064).</p>
9. Curing and Protection	<p>④</p> <p>ACI-CCI ZCC-RCSI</p>	<p>Inspect curing, cold weather protection and hot weather protection procedures.</p>
0. Other:		

Item	Agency # (Qualif.)	Scope
1. Fabricator Certification/ Quality Control Procedures ✕ Fabricator Exempt (VARCO-PRUDEN)	AWS/AISC- SSI ICC-SWSI	Review shop fabrication and quality control procedures. N.A.
2. Material Certification	② ④ AWS/AISC- SSI ICC-SWSI	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- SSI 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 NA	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.
8. Metal Deck e/roof	④ AWS-CWI	Inspect welding and side-lap fastening of metal roof and floor deck
9. Other:		



Letter of Certification

Date: 1012012005
Time: 11:00:11 AM
Page: 1 of 2

Letter of Certification

Contact: Jason Gardner or Bill Rudman
Name: PATCO CONSTRUCTION
Address: 1297 MAIN ST

Project: Bio Processing Inc
Builder PO #
Jobsite: 1039 Riverside Street

City, State: Sanford, Maine 04073
Country: United States

City, State: Portland, Maine 04103
Country, 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

Table with 11 columns: 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, Height. Row 1: main, 100/0/0, 100/0/0, 10000, 8033, 10035, 20/0/0, 14/0/0, 1 000 12, 1 000 12, 24/2/0

Loads and Codes - Shape: main

City: Portland County: Cumberland
Building Code: 2003 International Building Code
Building Use: Standard Occupancy Structure

State: Maine
Built Up: 89AISC
Cold Form: 96AISI

Country: United States
Rainfall: 4 00 in per hour
Allow Overstress
Frm 1 03, Sec 1 03, Br 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): 3 00 psf

Live Load

Live Load: 20 00 psf Not Reducible
LL for Below Eave Canopy: N/A

Wind Load

Wind Speed: 100.00mph
Wind Exposure (Factor): B (0.701)
Parts Wind Exposure Factor: 0.701

Wind Enclosure: Enclosed
Wind Importance Factor: 1.000
Topographic Factor: 1.0000
Hurricane Prone Region
Base Elevation: 0/0/0
Primary Zone Strip Width: 11/2/6
Parts /Portions Zone Strip Width: 5/7/3
Basic Wind Pressure: 15.24 psf

Snow Load

Ground Snow Load: 70 00 psf
Design Snow (Sloped): 49 00 psf
Snow Exposure Category (Factor): 2 Partially Exposed (1 00)
Snow Importance: 1 000
Thermal Category (Factor): Heated (1 00)
Ground / Roof Conversion: 0 70
% Snow Used in Seismic: 20 00
Seismic Snow Load: 9 80 psf
Unobstructed, Slippery Roof

Seismic Load

Mapped Spectral Response - Ss: 37 40 %g
Mapped Spectral Response - S1: 10 00 %g
Seismic Hazard / Use Group: Group 1

Seismic Importance: 1.000
Seismic Performance / Design Category: C
System NOT detailed for Seismic
Framing Seismic Period: 0 0000
Bracing Seismic Period: 0 0000
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): 0.0556
Brace Seismic Factor (Cs): 0.0500

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 this 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,

Handwritten signature and VP BUILDINGS logo with address: 3200 Players Club Circle, Memphis TN 38125-8843

P.E. Prepared by: _____ Reviewed by: WTC



Letter of Certification

Date: 10/20/2005
Time: 1 1:00:11 AM
Page: 2 of 2

The Structural Design and/or Manufacture of this VP BUILDINGS building will be or has been at one of the following VP Buildings locations

Rainsville, AL	VP Alabama Plant	[Manufacture Only]
Memphis, TN	VP Headquarters	[Design Only]
Pine Bluff, AR	VP Arkansas Service Center	[Design and Manufacture]
Turlock, CA	VP California Service Center	[Design and Manufacture]
St Joseph, MO	VP Missouri Service Center	[Design and Manufacture]
Kernersville, NC	VP North Carolina Service Center	[Design and Manufacture]
Van Wert, OH	VP Ohio Service Center	[Design Only]
Evansville, WI	VP Wisconsin Service Center	[Design and Manufacture]
Monterrey, Mx	VP Mexico Service Center	[Design and Manufacture]

Additional Structural Material may be fabricated and provided for use in a VP Buildings building by one of the following fabricators

BAR JOISTS-

SMI, Inc	Hope, AR
SMI, Inc	Fallon, NV
SMI, Inc	Starke, FL
SMI, Inc	Iowa Falls, IA
SMI, Inc	Cayce West Columbia, SC

Hancock Salem, VA

Canam Washington, MO

Vulcraft	Grapeland, TX
Vulcraft	Norfolk, NE
Vulcraft	Florence, SC
Vulcraft	Brigham City, UT

ISP El Paso, TX

Socar Florence, SC

Quincy Quincy, FL

New Millennium Building Systems Butler, IN

STRUCTURAL STEEL FABRICATION

Addison Steel, Inc Orlando, FL

PKM Steel Service, Inc Salina, KS

Qualico Steel Co Inc Webb, AL

(This information is presented in compliance with VP Buildings' AISC Certification responsibilities)

#05124



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

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

FROM: STEVEN R. GRANT, P.E.

RE: Certificate of Design

DATE: 11-2-05

These ^{FOUNDATIONS} plans and / or specifications covering construction work on:

BIOPROCESSING, INC AT 1039 RIVERSIDE ST.

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: [Handwritten Signature]

Title: PRESIDENT

Firm: SRG ENGINEERING, INC.
P.O. Box 925
GRAY, ME 04039

Address: _____

\$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.

(#05-124)

THIS SHEET OF INFORMATION HAS ALREADY BEEN PROVIDED BY METAL BUILDING MANUFACTURER VARIO. DESIGN SIGNED AND

FROM DESIGNER: _____
DATE: _____
Job Name: _____
Address of Construction: _____

2003 International Building Code

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

Building Code and Year _____ Use Group Classification(s) _____

Type of Construction _____

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

Is the Structure mixed use? _____ if yes, separated or non separated (see Section 302.3) _____

Supervisory alarm system? _____ Geotechnical/Soils report required?(See Section 1802.2) _____

STRUCTURAL DESIGN CALCULATIONS

Submitted for all structural members (1008.1, 1008.1.1) _____

DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1603)

Uniformly distributed floor live loads (1603.1.1, 1607) _____

Floor Area Use	Loads Shown
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Wind loads (1603.1.4, 1609) _____

Design wind speed (1609.1.1, 1609.5) _____

Basic wind speed (1609.3) _____

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) _____

Multi force wind pressures (1609.1.1, 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_{ps} & S_{p1} (1615.1) _____

Live load reduction (1603.1.1, 1607.2, 1607.10) _____

Roof live loads (1603.1.2, 1607.11) _____

Roof snow loads (1603.1.3, 1608) _____

Ground snow load, P_g (1608.2) _____

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

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

If $P_g > 10$ psf, snow load importance factor, I_s (Table 1604.8) _____

Roof thermal factor, C_t (Table 1608.3.2) _____

Sloped roof snowload, P_s (1608.4) _____

Seismic design category (1616.8) _____

Basic seismic force-resisting system (Table 1617.8.2) _____

Response modification coefficient, R , and deflection amplification factor, C_d (Table 1617.8.2) _____

Analysis procedure (1616.6, 1617.6) _____

Design base shear (1617.4, 1617.8.1) _____

Flood loads (1603.1.6, 1612) _____

Flood hazard area (1612.3) _____

Elevation of structure _____

Other loads _____

Concentrated loads (1607.4) _____

Partition loads (1607.6) _____

Impact loads (1607.8) _____

Misc. loads (Table 1607.5, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404) _____

Done By U.P. ENGINEER

(# 05-124)



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

ACCESSIBILITY CERTIFICATE

Designer: _____

Address of Project: _____

Nature of Project: _____

BY AI COMMITTEE

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.

Signature: _____

Firm: _____

Address: _____

Phone: _____

(SEAL)

City of Portland, Maine - Building or Use Permit

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

Permit No: 05-1786	Date Applied For: 12/09/2005	CRL: 331 AOOIOOI
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Location of Construction: 1039 RIVERSIDE ST	Owner Name: 1039 RIVERSIDE LLC	Owner Address: 340 FORE ST	Phone:
Business Name:	Contractor Name: Patco Construction	Contractor Address: 1293 Main St Sanford	Phone (207) 324-5574
Lessee/Buyer's Name	Phone:	Permit Type: Foundation Only/Commercial	

Proposed Use: Commercial foundation only 10,000 Sq. Ft. Steel Building #051964	Proposed Project Description: Foundation Only
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Dept: Building	Status: Approved with Conditions	Reviewer: Mike Nugent	Approval Date: 12/09/2005
Note:			Ok to Issue: <input checked="" type="checkbox"/>
1) 1. PATCO must provide a statement of Contractor Responsibility in accordance with section 1705.3 in the 2003 IBC Code.			
2. It is required that R10 rigid insulation value a minimum of 3'-6" for below grade foundations. This plan must be provided prior to foundation construction and the installation must occur.			
Quality Assurance Plan for the seismic resisting structural system, is requires SWG engineering has agreed to provide this.			

Dept: Fire	Status: Approved with Conditions	Reviewer: Cptn Greg Cass	Approval Date: 09/28/2005
Note:			Ok to Issue: <input type="checkbox"/>
1) Install 8 inch water main for proposed hydrants as discussed this date with DeLuca-Hoffman.			

Comments:
12/9/2005-dmartin: This permit was paid for under the bldg permit # 05-1694

331-A
BLDG #4

OWEN HASKELL, INC.

Professional Land Surveyors

16 Casco Street • Portland, Maine 04101-2979 • 207/774-0424 • FAX: 774-0511 • ohi@owenhaskell.com

MEMO TO: Dennis Waters- Patco Construction, Inc.
Fax 324-1643
City Inspectors office – City of Portland
Fax 874-8716

FROM: Ellen C. Brewer

DATE: December 27, 2005

RE: Building #4, 1039 Riverside Street, Portland, Maine

On December 27, 2005, Owen Haskell, Inc. laid out on the footing the proposed building #4 at 1039 Riverside Street, Portland, Maine. The building as laid out conforms to the setbacks as shown on "Site Layout Plan" Second Tee Condominium Association Business Park Expansion prepared by DeLuca-Hoffman Associates, Inc.

If you have any further questions or need any additional information please do not hesitate to call.